T. SHIVERS

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Acc. 1991-016

Blisters used in
Inter: Fevers
Congestions & Inflammations
Bilious Inflam: Fevers
Yellow Fever
Typhus Fever

In the Phlegmasia
Pleurisy &c
In Anginose affections
Cynanche Tonsilaris & Trachealis
In Gastritis & Enteritis
Dysentery, Cholera Morbus
Cholic, Hepatitis, Enteritis &c
In Rheumatism — Mis Plac Gouty
In Phrenitis — Paralysis —
Mania & Melancholia —
Hydrocephalus Internus
Opthalmia —
In the Profluvia — as Diarrhea,
Leucorrhea — Gonorrhea & Gleet —

Diabetes – Incontinency of
urine –
In Hemorrhages – as
Haemoptesis – Epistaxes –
Menorrhagia –
Many of exanthematous affection
in Typhoid form – in F. mucosa
in Encephelos – Scarlatina
of Typhoid Type –
In the Neuroses
Epilepsy – Tetanus – Partipes,
Asthma – Angina Pectoris –
Gastrodynia & Pyrosis –
In consumption – in Hydro
thorax – Gangrene –
Paronychia – Odontalgia –
Tinea Capitis – Tetter – In inflam
ation in Bleeding –

Dept of Mat. M.L. Newton 13/1880

Articles used for Medicating the Skin

Medorrhea Cassia catoonius

Lycopodium vittata

Mephitis Mephitica Virginiana

Emetic Tartar

Ranunculus Balbosus

Letons & Ipecac

Rubefacientia

Alcohol Turpentine

Pinus Burgundica - Abies

Camphora - Ammonia

Pinus Canthoridis

Piper Medicum

Lycopodium

Allium Sativum

Antimonium Tartarizatum

Caustics as Potassa,

Nitras argenti Alumen Sulfuric

Acidum Muriaticum, Oxidum

Arsenici Album - Hydrargyrum

Nitratus Rubrum Album

Dept of Mss. N.Y. Hospital 12/1980

Nitric Hydrocyanic
Nitrate Hydrocyanic
fres taken from — Ought to be
removed — it is the duty of the surgeon
to remove them —
Contused wounds — when great pain
& irritation does from — anodynes
are to be given — a poultice is the
best remedy — if inflammation
comes on — bleeding — purging —
& when gangrene takes place &
the vessels are weak I would
give the stimulating plan — we
sometimes endeavour to close the
edges in contact — you impede the
cure by so doing the edges of
wound are heated — The stumps of
limbs after are sometimes taken from
heads & legs — ought not to be
attempted unless inflammation
does not come on — then as soon as
you please —

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Lecture 1st

Animal Life

Life consists in the power of resisting heat, cold & putrefaction.

Life does not exist in Motion Sensation & Thought — This is proven by freezing a catfish & leaving it in that State for some time, no motion Sensation &c, did this animal possess — The fresh egg resists congelation 7½ minutes longer than any other, an egg that is a second time frozen does not resist congelation 7½ minutes longer than the fresh one — Any egg at 15° becomes fluid at 29°

The blood possesses life, which is D.

* Recantation or Lincoln has many good instances of cautionary Sympathy

Hunters theory, & which is correct, as may be proved by several experiments, from the blood, solids are produced - The blood after once being frozen congeals sooner the second time, because the vital principal remains debilitated - Life may be preserved without any peculiar power, I employ the term power instead of capacity because it has the power of self preservation

Sympathy -

I divide Sympathy into universal, continuous & contiguous - Universal Sympathy - this I believe seldom if ever occurs - continuous - as for instance in the puncture of a small needle the arterial system sympathizes - contiguous - as for instance by applying an enima as snuff to the Schneiderian

membrane the Lacrymal gland sympathizes, will be thrown into immediate action and will wash off the offending matter —

Remote Sympathy — under the division of continuous, as pain in the shoulder from a remote effect of the Liver, also a stone in one of the Kidneys, produces pain on both sides, & also at the glans penis — Hectic fever does not result from an absorption of pus, but is the consequence of sympathy — by overloading the Stomach with a heavy supper, the stomach & Brain sympathize, by producing Incubus, & other nervous affections. Dr. Physic had a patient, who had an inflamation of the stomach as appeared on dissection, she had no apparent symptoms, but — pain in the

* He thereby no 2 diseases can take place
in the same part at the same time —

foot & leg, but it was found that the stomach was inflamed & black matter was found as in yellow fever — Dr. Dorsey says that two diseases can exist at the same time in the system, for instance, the cow pox & small pox, but the small pox will not proceed, when the system is affected with measles — Dr. Hunter says, two diseases cannot exist in the system at the same time, one supercedes the other, though there have been instance to the contrary. The Modus Operandi of Medicines is by sympathy alone —

Medicines occasion temporary derangements, thereby creating a new action —

To express those sentences, which are used as preventatives of Diseases —

† The Roman print feed on

Lecture 2d.

Materia Medica comprehends not only Medicines, which are used in diseases, but also in health, as preventitives of diseases. The diseases of this country require particular attention to diet & regimen. I shall use the term Alimentaria*; I shall divide them into animal & vegetable. The vegetable is simple, mild & inodorous. It is a singular fact, that certain vegetables which are agreeable to one are poisonous to another, for instance †Cicata or Hemlock, whereas a very small portion would destroy man. Goats can exist on Stramonium without injury, which would prove

detrimental to Man — A question has long been agitated whether Man was designed to live upon a vegetable or animal diet — Man may be suddenly deprived from an animal to a vegetable diet without injury, carnivorous animals may gradually be habituated to a vegetable food — Doctor Stock lived 14 days & gained 4 lbs on oil & flour vegetable food is certainly more healthy to man than any other food, particularly in some diseases — A troop of Soldiers subsisted for a number of days on Gum Arabic — Lime water & milk are sometimes given to dispeptic patients, sometimes the patient rejects it & it becomes curdled on the Stomach

† This is very excellent in such cases —

† Instanced in the Sailors, & in those persons who live on Learned Bread

by the acid, which is in abundance, it is much better to combine lime water with mucilage of gum arabic ✝ I shall now briefly speak of bread, Leavened & Unleavened, I allow there is no difference, * but in some different cases, unleavened bread is better than leavened & vice versa — In dyspeptic patients prohibit fresh bread, & order them stale — In china where the inhabitants subsist upon vegetable diet, their diseases are milder and patients recover sooner from surgical operations; & in Calcutta the same result takes place — It is ascertained that the chyle, contains much saccharine matter, the oil also contains nourishment as has been taught by Barton & Cullen

Lecture 3d

In fibrile cases you ought to allow your patient but bread & water, as toast & water, unfermented bread is much harder to digest than fermented, but when it can be digested, it is much better. In Scotland nine tenths of the inhabitants live on unfermented bread, & they are not healthier people on earth. The sailors evince no material effect by exchanging unfermented for fermented bread, wherever unfermented bread is easy of digestion it is healthier & more nourishing. There is nothing more hard of digestion than dumplings & the under crust of pies. Rye (Rye Bread) this article resembles

wheat in many of its properties, but contains more saccharine matter, it would have been a happy thing for Man, if rye had never been used (I allude to its being made into ardent Spirits) rye bread is very good diet in costiveness, being of a laxative nature — Rye mush will generally cure Prolapsus Ani in Children, Doct: Physic has cured many Prolapsus Ani with rye mush. Sugar & Barley, this is generally made into barley water, which is commonly used in inflammatory diseases, but if the inflammation is too acute it is certainly injurious — Rice, is a valuable article, it is not so liable to undergo an ascesent fermentation, therefore

Tea - Maize =

we always give it where acescency is to be prohibited, it ought to be well boiled otherwise it is hard of digestion — I have cured many bowel complaints, by confining my patients to Rice and Milk — In dyspepsia I think rice is unwholesome, I know of no article which is more nutricious than rice in health — Gentlemen you must be cooks as well as Physicians —

Buckwheat not unwholesome, but with too large a quantity of butter, is unwholesome, is not given in Dyspepsia as it will aggravate the disease —

Corn (Indian) green corn is flatulent & hard of digestion, though Dr. Barton supposed it the most nutritious of all the Cerealia

The Indians boil their corn in ashes -

Sago, is the fruit of the Cias Circinalis
is readily soluble in water (boiling) forms a
nutricious jelly for convalescents, the
women are generally in the habit of adding
1/2 gill of wine & some cinnamon to it,
which aught to be prohibited - In bowel
complaints a diet of Sago is very serviceable -

Tapioca, is procured from a plant
of S. America, prepared from the roots
of the plant, you will find 2 hours
necessary for it to dispolve, you will
therefore be on your guard with respect
to boiling, it forms a nutricious jelly
for convalescents, but very hard of
digestion - Arrow Root, agrees with

* It is made by first pouring a little of it with cold water & then adding to it hot water gradually. Stirring it at the same time

with the last mentioned, it is to be boiled in as much water as will form it into a jelly, It is the custom to boil it in water & add milk, in children particularly it ought not to be given, as the milk becomes coagulated by the acids in the Stomach, is an excellent diet for convalescents —

Lecture 4th "

Fruit —

Apples contain acid & saccharine matter, they excite secretion, and keep the bowels open, they are hurtful because they increase acidity — Grapes — according to Spalanzani, grapes pass out of the bowels undigested, the juice in Scrophula

however is very useful, in Colic &c
they are prohibited, because they run into
fermentation, the pulp of the Melon and
Orange are hard of digestion; but the
juice is very useful — Plumbs made
into jelly are of harder digestion than
quinces, Rasspberry jelly & crab-apple
are also hard of digestion — Roasted Apples,
are not nourishing but grateful to
the stomach, does away the sensation
of hunger are useful in habitual
costiveness — Cucumbers is hard
of digestion, but less so in the Spring,
I have known Spasms to occur from
eating them, dissection has shown
the bowels are collapse, the chemies

collected in balls, Dr. Munro has also known death to occur by swallowing plum stones - Dr. Physic has known it /death/ from the collected matter by its purging; an Emetic & afterwards castor oil is the best treatment, when grapes are used in dysentery, the juice is to be used - Figs, Plumbs & Raisins, are useful in Habitual costiveness - Cabbage, is hard of digestion - Radish, & Stems of plants are flatulent - Carrots, are very nutricious - Potatoes, contain a large quantity of farinaceous matter, are agreeable to the patient - In Gout, Billious fevers &c they may be used, but in dysentary they come away undigested,

they are best adapted to chronic cases
when they may be used —

Animal Diet — Pork & Lamb are
harder of digestion than Beef & Veal
they are to be prohibited in inflamatory
diseases, & a vegetable diet substituted;
Mutton the older the better, ought to
be 5 years old, before the animal is killed,
Pork is of very difficult solution in
the Stomach, & is therefore injurious to
persons, who lead a sedentary life —
Venison — is a useful article for
convalescents, & is easier of digestion
than all others either smoaked or
fresh — —

Lecture 5th

Birds. those which feed upon insects are used generally - the turkey is nourishing & easy of digestion, but aught to be full grown, the chicken when roasted is not so good, when old are very hard of digestion - the patient aught not to resort to them - Eggs are nourishing & easy of digestion, if boild soft or eat raw - Eggs & Oysters may be allowed after all diseases to convalescents, when boild hard, are hard of solution, the white of an egg, boild & dryd becomes exceedingly hard, even to scratch glass - Eggs of the duck & goose have less grateful flavours, than the chicken, an egg

should only be boiled 2 1/2 minutes, the yolk is not easily digested - Eggs with flour are not easily digested & ought to be prohibited to patients - Oysters, are of easy digestion, but the crust of oysters ought not to be allow'd, in Typhoid Pleurisy, eggs with brandy &c, have been used, the preparation is easily digested, is nutricious & stimulating, the eggs must be fresh - i.e. before incipient putrefaction takes place - in Typhoid Pleurisy, the yelk of egg has been given every two hours & has been found useful, but when brandy, was join'd the patient had to reject it - Eggs with wine & brandy are useful

Fish - the catfish is supposed to be harder of digestion than the Rock & Perch, the eel is hard of digestion - Fish diet - is less strengthening than an animal diet - Oysters are in greater perfection here (N. America) than in Europe - are nourishing & ought to be allow'd first after a vegetable diet -, the hard tendinous part - should be cut away, Fry'd oysters are of harder digestion than stew'd - Dr. Physic recommends steeping bread in the juice of oysters - Clams, are of harder digestion than oysters, but the belly (middle) of the Clam is easier - Crabs are easier of digestion than Lobsters - Lobsters are

one of hard digestion, I have known colic pains to ensue – Turtle (green) the soup is of very easy digestion, & resembles chicken broth – Milk (viden culler) the milk from the cow is divided into 3 parts – 1st the oily – 2d coagulable & 3dly the watery part – the fresh cows milk is nourishing, the milk is coagulated in the Stomach by the gastric liquor, Milk is easier of digestion in youth, than in advanced age, In a venereal patient with a great many ulcers, who could not be cured with mercury was ordered to desist from all medicine & live upon a diet of milk & bread & was cured –

Lecture 6th

Milk - Dr. Cullen approves of milk as in correcting the fluids of acidity Lues venerea - In cancer I have known a lady who had a cancer in her breast, which was so painful that she could not sleep without large doses of opium, relieved of pain by a milk diet - milk is beneficial to relieve pain and should be given - In Phthisis Pulmonalis with weakness milk is very much recommended, but should not be given in the inflamatory stage of the disease, the whey alone should be given as it is generally too nourishing for Phthisis

cream consists of oil curd & whey, the two
latter are seperated in churning. the oil
which runs out of old cheese is good
for ulcers in the nose / the oil I mean
which runs out of toasted cheese / a
patient in the Penns: Hospital / in the
venereal ward / who had an obstinate
diarhoea was cured by a diet of cheese
Bread & milk are good in many
diseases, but in Phthisis milk is too
nourishing, boiled milk consists
chiefly of whey & has been recommen
ded in consumption & great debil
ity, wein whey is made of wine and
milk in the proportion of half the former
to half the latter, you boil the wine

in the milk, & take up the curd without breaking, strain it through linen cloth, as the curd is very inatable & ought not to be given - it is stimulating - Milk punch is not good as it coagulates in the stomach (the milk) & as the curd is very inatable, but to old drunkards it is very good as those affected with Mania a Potu, Dr. Barton calcareous spar (earth) oxygen &c - Turnips in a raw state are easy of digestion - Geese or Ducks should be eaten before rancidity takes place, in dyspepsia smoaked beef is not to be given - Fish may be allowed when you wish to give a

stimulies - In cholera infantum, salt-
ham is not to be given, & when given
it must be used with caution it
should be well boiled in all cases of
debility, boiled ham the Doctor recom-
mends very highly in warm weather -
Beef Soup - take 5 parts of beef 3 parts
water put it on a slow fire & boil it
untill it is dispolved, then skim off the
fat & boil it again, the way to know
when it sufficiently boild, drop some
on a cold surface, if it congeals, it is
good & well boild, a small quantity
of pepper & salt should be added -
Beef should be cut in slices & boiling
water poured on it to extract the blood

before it should be put on the fire to boil. chicken broth ought not to be given in inflamatory diseases &c. it often proves fatal by bringing on black vomit

Lecture 7th

Calf foot jelly to a weak stomach is hard of digestion"

Dr. Physick's soup is prepared in the following manner, take 3 potatoes a slice of bread and 2 onions in 3 pints to 1 qt. of water, a little salt & pepper may be added, the stomach will bear this very well & answers better than any thing I have used. a peice of chicken may be put in to disguise it as chicken broth - it is far

& is v[illegible] stimulating — Boiling is a rapid wasting — Fryed Beef with flour ought to be prohibited in dyspeptic patients. Vinegar increases the appetite, in small quantities — Capsicum is useful in gouty habits, is a stimulant externally & internally, as it is a useful remedy we will speak of it hereafter — Drinks. Cyder is an innocent drink in its pure state — in Gout it is hurtful, in Colic spasms, in the stomach & bowels it is hurtful, in drunkard & when there is much debility of the stomach from the use of ardent spirits, & tremors — Humulus Lupulus, there is something in the hop which is stimulating, an

infusion of hops is the best remedy -
we will resume it again in a proper
place - Beer is very good but often
adulterated - Porter is better & has a
tonic effect they are both flatulent, in
low fevers they may be given -
Wines - contain acids, alcohol, sugar &c:
the mucilage is most noticious -
the tennerife approaches nearest to
Madeira, Champaign I have given
with success, when the others failed
the patient not being accustomed
to this particular stimulus, its effects
are quicker than the others - Port is
most frequently adulterated, it
contains an astringent quality & is then

therefore used in Diarrhoea & a medicine to be hereafter assumed – French Wines are inferior to the others – Gin, Rum & Whiskey, contain about 53 parts of Alcohol – In children water & arrow root – (arrow root made into a paste with water) are much more nourishing, than the flour & milk. (& does not produce acidity in the stomach) Old people cannot bear hunger long, they may therefore frequently take food –

Lecture 8th

We have now concluded the History of Nutrition & it remains for us to apply them to disease –

Diseases of inflamatory action either general or local, the object is in these cases, is to keep the Heart & arteries free from any thing stimulating, in Phrenitis I allow nothing but water, with toasted bread, patients have been known to live a fortnight on this single diet — In all inflamatory diseases this may be used, Pinade. which is bread boild in water with sugar is another article, but I prefer the former in Phrenitis, next to this is barley water — Chocolate, is nourishing, contains oil & mucilage, is apt to become rancid, & is said to sit upon the Stomach, this may be

remedied by the process before mentioned viz / suffer the chocolate to cool & the oil will rise upon the surface in a congealed state; skim it off & boil it again, it never rises on the Stomach when this is done — Eggs. boiled soft are not to be used during the acute stage of an inflamatory disease — All birds, fowls, &c may be used (allowed) to convalescents, excepting Geese & Ducks — In the opposite state of the system all articles of animal food, with spices &c may be used, especially in Typhoid Pleurisy, which has so frequently occured in the U. S. — Wine Whey, Milk Punch & eggs beat up with brandy have been

used with success - The stomach is not to be overloaded, but the patient may repeat them frequently, so as not to oppress the stomach - In Scurvy all animal food is injurious a vege table diet alone should be used -
Symptoms of Scurvy - Lassitude, weakness, laborious breathing, palpitation of the Heart eyes yellow, bloated countinance, Grief, swelled Gums, with smarting pain, bleeding of the Gums, upon the slightest inhalation, fœtid breath, the teeth loose, pain severest at night, but when a sweat breaks out the patient is relieved and cutis anserina. when Dysentery now takes place it is generally

fatal — Oranges & Lemmons are among our best remedies, If the patient does not die in 48 hours he generally recovers — Dr. Smith used raw potatoes with vinegar with great success in the British Navy, but in dysentery this preparation is to be prohibited, & all acescent articles are not to be used — Animal food is too stimulating in the 1st stage of dysentery — Sago, Gum Arabic, & Tapioca, have cured Dysentery without any other remedy, except a purge of Castor-oil, Chickens are to be allowed before animal food — In Cholera the same remarks are applicable — viz: great attention to diet,

& nothing is to be given, that is irritable to the Stomach - Mucilage of Gum Arabic with Sugar I have generally used - In Gouty habits a vegetable diet has often done good - In Phthisis; a vegetable diet is also very useful - In Asthma & in cancer it appeases pain & suspends it - Temperature of diet - very hot is injurious producing Dyspepsia, hot tea is very injurious, in females produces Dyspepsia - Ice Cream, & cold water, are injurious to the body, when warm, it has occasiond death - In Hemorhages nothing warm is to be taken - Coffee with sugar & cream is more nourishing than without them -

Coffee resists fermentations, it has also relieved headaches, it counteracts the effect of opium, diminishing nervous sensations — In Dyspeptic Symptoms, it is some times useful, in periodical Asthma, it is useful not always in the mode of action but often the degree of action. —

Stimulants are medicines which excite the action of the moving fibre.

Sedatives act directly without producing evacuation. —

Sedatives are those medicines that indirectly by weakening excitation diminish the actions & powers of the System —

Lecture 6th

There is no such thing as a direct sedative, by passing a bougie into the urethra, pale=ness & sometimes fainting ensues - Odours, produce the same effect, but they can=not act except by stimulating, the urethral membrane of the nose.

How do Medicines operate? - On the solids, or by entering the circulation, I answer that the latter is not the case, since the most powerful medicines effect no changes in the chyle or blood - by the continual use of some articles a gradual change is produced, as is proved by the colour of madder in bones, by the experiments of Dr. Bostock

Mercury does not enter the blood. If it did it would act on all the vessels of the body - whereas it acts on the salivary glands only - If this is allowed Sympathy must be carried into the blood vessels is a little compound of words

who discovered Soda in the urine of a patient, who had made free use of it as a medicine, they cannot however introduce active remedies into the circulation, although we can affect the fluids by the long use of others, as Mercury operates particularly on the parotid glands. it was formerly supposed to have been carried to those parts through the circulation, but the advocates by attempting to avoid one difficulty, have fallen into another, for it is as easy to explain the effects on the salivary glands, by supposing the Medicine in the stomach, as in the blood vessels. I confess myself

unable to explain the Modus Operandi of any remedies, I will engage, when I know how one acts to explain how they all act - In every case we must admit the agency of that power called Sympathy - even if medicines are carried through the circulation -

I confess myself unable to explain to you, how medicines produce their effects, and now proceed to speak of their effects, Some writers consider all medicines as stimulants, which they suppose have a specific action on particular Systems, there is no great advantage in this, although it is true that some diseases & some medicinal

Cold is a Stimulant, as may be proved by experiment — by immersing the part of a person in health but one in cold water, & a contraction will take place on both — thus forming early ~~an~~ ~~the sensation~~ to the Jonks

Spirit — is stimulant — it causes a secretion of tears, & the intercostal muscles in sighing

Fear is a stimulant — as is proved by causing a secretion of urine —

Despair is a stimulant —

+ he applies to the scrotum will stop the peritonitis in erysipelas —

Those remedies by which fluids are drawn off from the body —

articles act especially upon particular parts of the system, I have divided all remedies into 2 classes Evacuents and Stimulants, under the first-class I have also included — Anthelmenties — and ——— Sialagogues ———

Table —

Genus Evacuantia.	Genus Stimulantia.
Bloodletting.	Tonics
Emeties.	Astringents
Cathartics.	Narcotics
Sialagogues.	Antispadmodics
Diuretics.	
Diaphoretics.	
Anthelmenties.	
Epispastics.	

Portiphilus the son of Eudemonias — in
ants, — was the 11th born child
Suffocated, died in the Spring
to obviate the Solar heat — Some
in the Summer — Some 4 times a
year
+ Ban Helmont accurately assured to
breed in any cave + the Bird of
a Peacock pecking a victim to
his pelvis Theory —

This arrangement in itself unimportant,
will I trust assist you in acquiring
a knowledge of the Materia Medica—
I shall proceed to speak now of
Bloodletting— is the most direct &
powerful evacuant we possess I
should consider it as an unwarrantable
omission, if I passed over it in silence—
It is a convenient remedy, & during
the fluctuation of medical theories it has
always been considered as a most power
ful agent in the hands of the practitioner—
Botalus, who was as you well know,
the famous Sanguedo, wrote a treatise
on this subject recommending it in
all diseases, while others have erred in

*Apoplexy. incubus. Stertorous breathing- distended Dreams vertigo - indicate that the vessels are too full, & that they will be ruptured—
incubus very often arises from Dyspepsia & having to suppose on the vena cubae—
In apoplexy - B. S is very good - It is of importance to bleed in distended jugulars first— empty the blood vessels by B. S— Inflammation of the eye - you can't use B. S—

in the opposite extremes- Louis 13th
King of France during the last 10
months of his life was bled 47 times-
purged 215 & glyster'd 250 times- It
is a natural remedy, Dr. Rush says
nature frequently performs it- by habit
blood letting lopes its efficacy, & by
habit the use of it is made necessary-
after injuries of the head it is important
to bleed very largely, in order to
prevent extravasation & inflamation
of the brain. when some customary
evacuation has been suppressed it
often becomes necessary - In this
Country a prejudice prevails
against bleeding old & very young

Dr Rush Diseases and their
symptoms

* In which fever most principally
consists —

The quantity of the Blood that may
be drawn off is in proportion
to the violence of the symptoms —

† of Dr Diseases of Philadelphia.

people, yet experience has taught it to be quite as necessary & important as any other* — In Switzerland old people (upwards of 90 years of age) are frequently & regularly bled & the health they enjoy is a proof of its utility — In fever it is indispensible, & its most prominent effect is to reduce the inordinate action of the Heart & arteries* Or in other words to reduce or subdue the violence of the symptoms, The extent to which it may be carried in cases of diseases is wonderful — In a case of apoplexy, Dr. Physic took 90 ounces at a single bleeding, in injuries of the head* I have bled 5 times a day, nearly to the extent of

+ quoted by Dr Rush

+ A Gentleman of Angola born ~~[illegible]~~
of blood daily for Epistaxis

The Lemon increases in proportion
to the number of blood lettings -

Mr. Kline, who in a similar case took 320 ounces of blood in 20 days Haller relates a case where 22 lbs: were lost at once this would be incredible were it not for the gradual loss giving time for a new supply — When venesection is much used the crasis or coagulamentum is proportionably less, during the yellow fever — Dr. Rush & Physick were accused of bleeding, untill the blood no longer stained the linen, this although not exactly true, will show you the effects of the evacuation — It produces a diminution of morbid or diseased action, & intermittent fever — should be employed when the action is most

℞ bleed 8 or 10 ounces & apply 12 blisters —

Dr Cullen thinks it the most powerful remedy for reducing the action of the System —

℞ In this country the fevers require more bleeding than in Europe —

violent – I have repeatedly cured intermittents by venesection & blisters & after tonics had failed – In continued fevers venesection may be used at all times – Dr. Cullen by condemning it in Synochus & Typhus has misled thousands, who have from the fear of debility, deprived their patients of this necessary & important remedy – In acute diseases I would never refuse to bleed, for fear of debility, because in (fever –) bloodletting is certainly the most powerful tonic we possess – If the system is weak after the evacuation it would have been weaker without it – In this country Dr. Cullens (conductions / directions)

* One party condemned the Lancers
† other beat and in

have been productive of a vast deal of mischief but his practice applied to our diseases, is productive of the most happy consequences -

Lecture 10th

In 1793 and for several succeeding years, our city was visited with a most fatal epidemic - the dispensations which occurred are probably known to you all - It is not my intention to disturb their ashes, willing they should be consigned to quiet & forgetfulness as this period it was my fortune to study & acquire the elements of medicine & to receive impressions which will

never be forgotten - That rule which from its importance has justly been denominated Golden, was at this time most strongly inculcated & Physicians were taught the importance of adapting their remedies according to the State of the System -

For this disease (yellow fever) must be employed boldly, & repeated according to the violence of the symptoms - On the third day the pulse is full tense & requires the use of the lancet - In all these cases venesection must be repeated, as long as the pulse rises from febrile action, repeated until the violent symptoms subside

Diseases as said that more than 100,000
persons
die [illegible] by the means of the use of the Cancer
for I that this poison of two fractions of it
Dr. Rush agrees with him

The gaseous fluid of Dr. Rush acts in
these diseases for appears fluid & evanescent

Dr. Rush says, that venesection, when not carried to the requisite extent is prejudicial — I will now state you cases in which blood letting is improper — It is so when the leading symptoms + in cases of typhus (typhoid pleurisy) are debility — The late epidemic was said to be an instance of this kind — the cases which fell under my own observation, were ushered in with inflamatory symptoms, & here I unhesitatingly resorted to the lancet —, to refrain from bloodletting because debility was to ensue was a most ridiculous practice. There was however in this disease, a deception, the pulse was easily

*Some of the theories of medicine to lead him that a minimum of useful inferences may be drawn from them—

depressed / compressed rather /, and unlike the usual inflamatory pulse of pleuritic patients – Dr. Rush forbids venesection when the viscera & brain are engorged with blood, – In both cases the pulse is febrile / feeble rather / and says the Doctor the loss of a few ounces of blood would prove fatal, after the pulse is excited by friction & gentle stimulants, blood may be taken with advantage – These remarks on the engorged state of the system are valuable – but I do not think the theory is correct – stagnation in the blood vessels has never been demonstrated, & should it take place gangrene

in those gravitating by cupping – leeching of the part = operated on and by the arm –

*The other writers had a hard time keeping
them would not proceed

would be the inevitable consequence.
This however furnishes no objection to
the practice of Dr. Rush, which
experience has confirmed as most useful.
3ly It is improper in the conclusion
or advanced stages of inflamatory
diseases. I am sorry that Dr. Rush
should say it is improper to resort
to it in malignant fevers, if
not called in before the 3d day.
What shall we refuse to bleed, with a tense
& active pulse, because three days
have elapsed. — Bleed therefore
Gentlemen in every stage of inflamma-
tory fever — when the symptoms demand
it — The idea that we are to refrain

Why
4, When the paroxysms of fever are more
subsiding — as in intermittents —

*Tetanus more rarely occurs in the
febrile State of the System — It does some-
times — V.S. is said to predispose to Tetanus.
You bleed with caution in Tetanus —
Father —

from venesection, because debility is
expected, or after 3 days have elapsed
should be opposed — As a general rule
however it may not be necessary,
in the advanced stages of diseases —
4th In the concluding stage of a paroxism
of intermittent or remittent fever —
venesection is improper* — 5th In
accidents, though venesection is
generally indicated, yet in in
gun shot or punctured wounds
in hot weather, it may not be
safe in those cases. — You will
learn from the professor of Surgery,
the importance of a proper position.
6th In the same diseases & accidents

+ or even brandy drams - & opium =

which in temperate persons require
bloodletting, but when they occur in
intemperate people we are under the
necessity of using liberal stimulating
remedies, † or a Mania a Potu will
be the consequence — 7. After suppuration
& every other secretion takes place in
inflamatory disease venesection is
not necessary — If however general
inflamatory symptoms supervene
venesection is proper; after large
abscesses are opened inflamation
sometimes ensues, it calls for the use
of the lancet, as much as if the
abscess had not taken place —
Whenever an effusion of serum or

* It is only to be cured by the free use of the lancet—

or pus produces, reaction bleed -
In reciting the cases in which venesection
is required, it must in all critical
& doubtful cases direct your attention
to the pulse - In such cases see the
operation performed yourself, because
you cannot judge before hand the
quantity which will be necessary -
In the class of diseases which cullen
has denominated Phlegmasia venesec-
tion is the most important remedy
after removing the remote causes,
the first thing is to bleed in order
to destroy the disease, & restore the
healthy action, the effects in these
cases are - 1st pain is immediately

* where ever the Brain is inflamed there is always a danger of its terminating in an effusion of Serum in the Ventricles

* to Mr. D. Rush next night—in saying it was necessary to bring the Hypothesis to the Indicating & Pinning point—

relieved. 2d Morbid heat. 3d disordered
functions are restored —
In acute Inflammation you have an
example of this effect. 4th It prevents
termination by gangrene or death —
5th It prevents the effusion of several
fluids, which destroy organizations,
as blood — serum — pus
prevent hemorrhage, effusion in the
brain & coma — I might extend this
catalogue to a much greater length,
I will here mention but two 6th It
prepares the system for the operation
of other remedies, you will often have
occasion to verify remarks of Dr
Rush on this point. —
7th It removes local congestion

and restores them to their natural func=
tions; these are not the observations of
an enthusiast, but they are such
as every day's experience will con
vince you, at all times — In local
inflamation, venesection is carried
to a greater extent than in general
fever; I confess, I have my doubts
respecting the existance of fever
without local inflamation, having
always found it to exist in bilious
& Typhus fevers, but then are cases
of general fever (if any such exist) In
hemia humorales, I have bled
daily for a week, I after that
time bled only once in 48 hours which

* blood letting is to be repeated again & again while the inflammation is retained —

† Diseases like time should be seized by the fore lock for like time in the picture they are bald behind —

Diseases should be served by the forelock

produced a speedy recovery — I proceed now to speak of venesection in particular inflamatory diseases — In opthalmia * venesection general & local is the principle remedy, I was lately called in a case; where melted brass was thrown into the eye, & the ~~conjunction~~ inflammation was arrested from the effects of the heat (produced by the brass) By very liberal & frequent bleeding, by the constant use of ice water the patients vision was relieved, but I am convinced no other remedy would have been successfull — † I bleed as frequently as in bilious fever & with as much advantage — we are directed to seize

* The temporal artery not necessary to open
Thence

for like tissue in the fracture it is left behind -
diseases like tissue by the pullock, to take
them in their forming state, in no case
is this rule more applicable than in
inflamation of the eyes - By a case
in the Elements of Surgery you will
see how long (altho how frequently) we
may be obliged to repeat this remedy,
bleed as long as inflamation continues,
& when general venesection is no longer
safe resort to local depletion -
In Phrenitis, Large & repeated bleedings
are here necessary - Cullen recommends
opening the carotid artery or jugular
vein - In cancer there is no necessity
of performing this operation, the only
precaution which is necessary is that

† copious bleeding in the commencement of the disease

you employ the remedy to a sufficient-
extent — In Mania*, I am fully per
suaded of the superiority of the treatment
introduced by Dr. Rush, Cullen rather
consents than inclines to blood letting
~~inclines to blood letting~~, Dr. Rush enforces
its importance, & the records of that in-
stitution where its practice was adopted
show its incontestible value — Here from
20 to 40 ounces are to be taken, until
fainting ensues — Dr. Rush recommends
performing the operation, when the patient
is in an erect posture, if he could be
kept in this position there would be
some reason in the remark, but I should
prefer the situation in which he is
to remain, because in that case

* Dr Rush cured 2 cases of Mania by bleeding 200 ounces in 4 weeks & 24 in 6 months

* Take forward by cups from the temporal artery

† Particularly the Tartar Emetic -

† I saw one case in which an old lady was affected with a remarkable taciturnity, which was entirely dispelled by a large dose of emetic tartar * F. Shives

* This however was not a case of Mania à Potu but Mania properly so called -

more blood may be taken without produc-
ing faintness - the remedy is to be used as
long as the symptoms indicate* - In
Mania a Potu patients will not bear
the use of depleting remedies, I have
used leeching & cupping* with some
odorous substances & Emetics† even
lately introduced in these cases by
Dr. Klapp in the Alms House - I
shall speak of this when we treat of
Emetics - by nausea Malaise - when
febrile action is present - a bleeding is
indicated - 6. Bronchitis - a bronchitis may
be cupping -

Lecture 11th.

Sometimes after an abcess is opend
febrile action ensues in consequence
of the imperfection of the cavity as

Mr. Hunter supposed, or according to
others from the admission of air, I believe,
that both these causes have considerable
agency in the production of inflamation
I mentioned that one advantage from
venesection is to prevent disorganization
from the secretion or effusion of coagulable
lymph or pus, this direction is particularly
important in diseases of the eyes where
disorganization is irreparable — I go on
to speak of venesection in other diseases,
In all inflamations of the throat and
fauces it is useful, in cynanche ton=
silaris, it prevents suppuration if employd
early — In Malignia, the lancet is
occasionally required, but as a

† When blood letting has been used these effects must take place —

as a general rule, it is not indicated in this disease — In Rachialis it is of immense importance & should never be neglected, even in a young subject of a child less than one month old — If venesection is found difficult 10 or 15 leeches are to be applied to the throat, first immersing them in warm water as they will do injury by cold — In Cynache Parotidia, or mumps, venesection is indicated & the neglect of it has led to the swelling of the Testicles, & hernia humoralis † Of all the remedies hyperia Pneumonia is said to require the most liberal use of the Lancet — Dr. Cullens directions are very

† often blood letting has been used to excess

Bleed in the arm: the arm of the
side affected – if possible

Sometimes you bleed 3 or 4 times in
day –

useful on this point- & to them I refer you (Cullen) & I have bled 5 times in one day in Pleurisy. the disease in this country requires the more free use of the lancet-, than in Europe — frequently at the first bleeding. Your patient will not bear the loss of more than 8 ozs: of blood without fainting, yet if you again apply the ligature, in 2 hours after he will be able to lose 15 ozs: Be guided by the State of the System- you will find V. S. useful in the first day yet be not deterred from it- the second day — 4 days have elapsed, nay though a fortnight has lapsed without using the remedy. as for the quantity no

frenetis

† The quantity should be small & taken from the elbow — gives great relief when the breathing is difficult —

as it must depend upon the state of the circulation
general disease
general rule can be given. 1 lb oz: being
a full bleeding, more a large - less than
12 oz: a small one 2 lbs: is as much
as the patient can bear to lose, the
first 4 days, after which if pain
be the urgent symptom use leeches or
cupping, but if you wish to relieve
difficulty of breathing, open the vein
of the arm, as it is the most effectual.
Study Dr. Cullen for directions in this
disease, his practice is judicious -

In other inflamatory diseases of the
chest, not excepting pulmonary
consumption, when with muscular
debility, there is great difficulty of breathing
bloodletting is proper in
the latter case, however we apply

+ V with great advantage —

* When we wish very much to have a good tooth — the caps of gum killed to grow —

* Leeches on the inflamed gastric has relieved pain where Narcotics have no effect —

* We may never be afraid to use the Lancet for fear of debility V. S. acts as a tonic. The fever will weaken the system more than V. S. —

In hemorrhage — V. S. very proper — but to the spasm hemorrhage

inflammation of brain
leeches to the back or cupping – Hepatitis –
V.S. is here the most important evacuant
we possess – Even in Odontalgia Dr.
Muth recommends venesection – Mr.
Hudson our most respectable dentist
advises leeches in tumefaction of the
gums – Gout – under certain circum-
stances V.S. is the most important remedy
In many cases excruciating pain is
relieved – when balsams, opiates &c.
have been tried in vain, Dr. Muth
has done much service to the profession
by enumerating the benefits arising
from V.S. – in this disease –
Eruptive diseases – Here it is useless for
me to say / to particularize / the cases in

* In all cases of hemorrhage where a febrile reaction prevails, R. T is superior

in which it is proper – In almost all of them it is proper & you should never refrain from it for fear of debilitating, for the disease is more debilitating than the evacuation – In these diseases V. S. has only the power of diminishing morbid action, not of changing it – Hemorrhagy – which is accompanied with febrile action is to be cured by V. S. – It might be supposed that Hemorrhagy would cure itself, but nature in such cases does not manage judiciously – If hemorrhagy is produced by a local affection, which is cured by V. S. ✻ – we are to employ it* – In Epistaxis, it is often important – I am no advocate

† When blood is caught up & remain in the part, we presume it comes from the lungs —

† repeated bleedings are to be used

In Hemoptysis your Patient must be kept quiet & not have a fire in the room — he should be kept warm by the bed clothes alone —

In drawing blood for Hemorrhoids open Patient take your lancet by the fingers & press your fingers under it such a manner that you can make the punctures as deep as your pleases & then make a number of punctures very quickly —

for V. S. in every case, as it is apt to produce a frequent accurence of the disease, hence other evacuents are to be prefered — Hemoptysis† here V. S. must be employ'd so as to keep the heart & arteries, below the healthy natural standard,† during the discharge common salt, sugar of Lead, &c: are to be employ'd, & the patient is to be kept in bed in a cool room — Hemorrhoids — Local bleeding is necessary, I generally make 6 or 8 punctures with the lancet in preference to leeches, they should be made rapidly so as to allow the discharge of blood — Menorhagia V. S. is

* A quick tense pulse always min admin of the Lancet —

† Consists in the loss of sense & voluntary motion; whilst the action of the heart & arteries continue —

‡ You are to attend to every thing which tends to empty the vessels of the head —

When general V. S. has been carried as far as is safe — local blood letting are to be used — & blisters are to be applied to the back of the neck —

important, this is usually accompanied with febrile symptoms & we are to judge of the propriety of B. S. by the state of the system — Hematenesis. the pulse is an excellent test of the necessity of bleeding, usually however the discharge is so great, that we are obliged to support the patients strength — without which all others must be useless

Apoplexy — here B. S. is the remedy the voluntary motions are destroyed while the actions of the Heart & arteries continue — it is essential to evacuate largely & rapidly — therefore I prefer bleeding my patient in a recumbent position — I sometimes open both arms — Every thing retarding retarding the

* Cupping. Leeches. Blisters seem to be used if palsy — Bleed largely sometimes —

When palsy comes on suddenly in one part of the face, V. S. is the first remedy

* I have seen this used with the most evident bad effects — especially in hot weather —

motion of the blood from the head should be removed — In Palsy the cure is to be conducted by the same general principles always attending to the State of the System —

Lecture 12th

In many of the Spasms of Dr. Cullen's T. S. is an important remedy it ought however never to be used in Tetanus I state this with confidence having seen it employed in several cases & always with decided ill effects — In every case where I have seen T. S. employed the patient has died — In hot weather & in hot climates this disease frequently results from wounds, & on this occasion

† In lacerations of the joint it is very useful – Dr. Thomas first used it – Dr. Physic received it – in P. Hospital

† never fail to make a large opening & keep the patient in an erect posture in this disease – for by no other means can so much power of the orifice of the small — How diet is very important Laws – Dr Physic – recommends a good diet not a low one –

occasion V. S. in them cases is to be used, but cautiously, It is generally safe after wounds in hot weather to bleed as long as any febrile action remains, but I have seen one case in which tetanus & death were the consequence + In a violent fit of histeria I have known 2 lbs of blood taken away, which produced an immediate cessation of the ~~convulsions~~ (rather convulsions) - In Epilepsy it is sometimes useful, but the remote causes are so various, that we can give no particular ~~rule~~ rules of cure - Chorea + (vide Bate) with Sydenham & Rush, V. S. was a favourite remedy though

* When respiration is sufficient—

† hoping to the loins is a very important remedy. It relieves pain—

Bene) R 45 oz: injected into the rectum
4 grs: of powdered opium mixed
with mucilage of gum arabic
the patient feels as well as ever

bullen feaces evacuations - when we come to purgatives, I shall give you that it bears evacuations, & is treated successively by the use of purges - I have two general rules to give you relative to the use of this medicine/rather remedy/ 1st Bleed in all difficult cases of respiration & for the relief of pain 2d Bleed when the pulse indicates it - In Colic. B. S. is to be employd, it relieves the violent spasms & prepares the system for the operation of other remedies - In bowel Complaints the pulse seldom indicates venesection, & here it is to be employ'd in proportion to the pain & other symptoms, I have known

said enough respecting this remedy, to shew you its importance & give you some general principles to guide you in the use of it — Remember it - is the most powerful remedy as an evacuent we have - having urged you to employ it in a bold manner I wish you also to remember that in using it, the better part valour is discretion - If you follow the principles I have given, you need not fear carrying the remedy too far - I know it has been abused, & that in the hands of ignorant men it has been injurious - But I also know that many who have been cured by it, of violent malignant fevers —

Spring Lancet is to be prefered -

imputed to venesection in the cure of their disease,
~~the lingering effects of their disease~~

Of the use of L. S. in Surgery you will have some remarks from the professor of Surgery & also the manner of performing the operation. Much has been said of opening veins in their proper places those of the arms are most convenient. It answers every purpose. In opening the jugular or ~~Probing of the arteries proper modes to be performed~~ carotid arteries, the latter operation ought never be performed

Topical Bleeding. Scarifications are used in local inflamation, thus we divide the loaded vessels of the adnata with great advantage. the benefit is obvious, but the explanation of this

* methods of cutting with a razor
of wood - 4 sets of marks & drops of
blood to

Celsus makes mention of cupping -
1800 years ago —

In chronic pain &c. sometimes useful

same vessels from carrying on the disease
is not to lose the vessels contract upon blood
is drawn from them
In Cynanche Tonsilaris - I have often
employ'd it with great advantage -
Cupping - this is a favourite remedy
in topical inflamation, not how =
ever to be employ'd untill the system
is reduced - Blood is taken so grad=
ually as to prevent syncope, & hence
we often recommend it, & compelled
to these evacuations - In Hemicrania
it is used
It is useful as an auxiliary to V.S. in
violent Pleurisy - In cases of a doubtful
character, it is useful & safe - whether
it is useful by the evacuation or by
cation I cannot say - probably both
Leeches, are important - where

vascular of the

The inflamed state of the abdomen
requires B.L. as much as any other
part of the body

Leeches are very useful in the
same manner as cupping they are
not so painful & never leave a
scar that is visible is handsome to be
preferred for ladies

1 or 2 Leeches is about equal to 1/2 grain
of Glauber's Salts

cupping would prove irritating as in inflammation of the joints - They can be applied more particularly to the part as in opthalmia - they are less painful than cupping -

I must ask you attention for a few moments to the ridiculous manner of applying them in England, 2 or 3 at a time - As far as I have observed, 20 leeches draw from 4 to 5 or 6 ounces of blood - The mode of keeping them is pointed out in Coxes dispensatory - they are often employ'd when we wish to bleed children, & when it is not practicable to open a vein - There is an important prejudice against bleeding very young children which in many cases has proved fatal -

A Physician ought certainly to be the best bleeder in his vicinity

Are those remedies when taken into the Stomach productive of vomiting

They live after accidents, & diseases that would have destroy'd a adults, & they bear the operation of all medicines better, except salivation, which if excited in very young children generally proves fatal - The difficulty of bleeding infants should not deter you - as you will often be call'd to visit children strangling with croup & bleeding will be the best & only remedy - In Hydrocephalus and in Convulsions, it is important - in Symptoms of Hoit, diseases in children requires B. L. as much as in adults - Emetics - are second on my list of evacuants, vomiting is sometimes a natural action - When

Dr. Barton found the Indians of the 6 nations I was acquainted with negotiate emetic — & with Lud. of Iron

† florulent eructations are proofs

properly managed it is not dangerous,
Some have supposed that the abdominal
muscles are principally active in
vomiting, but this is disproved by
a cruel experiment of Mr. Heighton Physiologist of London
he open'd the abdamens of several
animals whilst vomiting, & saw
the contraction of the muscles of
the Stomach, In cases, where dis-
agreeable Medicines have been given
we frequently see the oesophagus con-
tract, so as to prevent the repetition
of the dose, notwithstanding the
patient exerts himself to swallow.
In vomiting the Stomach &
duodenum are principally active

* which is diminished strength, or its
owing to its producing debility of
the stomach —

5

One a state of great debility the
other a state of great excitation
with profuse vomiting

D.

Symptoms of vomiting —
Face pale — skin cold sensation of cold
pulse weak & irregular, vomiting
then comes on — face warm

& they have frequently been evacuated by the violent contraction - Darwins theory of vomiting is not correct, as no emetics diminish the energy of the stomach it is true that the action of the heart & arteries are very much lessen'd, but the same effect is produced by injecting Port wine in the tunica vaginalis, & no one will say that this injection acts as a sedative - Emetics - the operation of this class of remedies is much affected by peculiarities of constitution, In Mania, tis necessary to give very large doses, After poisons have been taken into the Stomach, enormous doses are required, to produce even a mo-

V. anodemum

The Stomach have been torn in vomiting - can mention a case by Mr. Chevallier

Emetics when not given soon after the poison is taken is of no use

Some recommend emetics to be taken in health - nothing more absurd

* See the violent action of temporary Tetanus

= derate evacuation - My two pre = decessors have spoken highly of Emetics in fevers - They should according to the directions of Dr. Rothenill be preceded by venesection* - The Bilious Fever when nausea, pain in the head, & discharges of bile are urgent symptoms = Emetics are indespensible - It is a fashion to order them in intermittents, to prepare the system for the action of bark - If the system be excited, V. S. purges, & emetics are to be employd - but in milder cases, Emetics are beneficial, given just before the paroxysm - previous to the use of bark stonics,

he supposed if you could produce
a diaphoresis it would entirely
prevent the paroxysm

+ by Dr Lathrop

Fordyce* combind Ipecac: & tartar emetic, & he gave them around in the paroxysm, as his object was to produce a crysis similar to what takes place in the natural crisis - Emetics often pro= duce redness of the face, & turgescence of the vessels of the head in which cases follow Sydenhams directions, & premise bleeding, but it is best to give an emetic afterwards, as the blood vessels are more emptied at this time - In Epilepsy they have been found to prevent the accession of the paroxysm Apoplexy* - I have never seen a case of this disease so manifestly arising from an affection of the Stomach as

to induce me to give Emetics, as as in
these cases I always prefer b. S — I
was led to this preference by witnessing
the fatal termination of a case of
apoplexy, in which an emetic pro =
duced a rupture of one of the blood
= vessels of the brain — But emetics are
invaluable in cases of apparent apoplexy,
arising from the quality or too great
quantity of food taken into the Stomach —
I do not consider this as an Apoplexy,
for these reasons, 1st It arises from
different causes — 2d Absence of
all stertorous breathing — slow & small
pulse, more frequent than in
Apoplexy 4th Distention of the Stomach

and bowels is evident by laying the hand on them, In these cases emetics are of primary importance - they ought to be used combined with other remedies - full - such as are proper to be taken from such patients head, remove all obstructions to the returns of blood from the head bleed & give an emetic -

Hydrocephalus Internus, appears to be questionable Dr. Chapman considered this a primary affection of the stomach, with a view of counteracting this state of the which requires the use of Emetics - I am not convinced that the disease always arises from the disorders of the later viscera & the cases we have dissected, have not led me to the same conclusion - I have always found an effusion in the brain In an affection of the alimentary

In the phlegmasiæ of the bladder very beneficial

Canal, you will hear from him the best
the best treatment – Of the use of Emetics
in fevers, I advise you to read Dr. Cullen
171 – 9 section, In acute Rheumatism
occuring in marshy Countries Dr.
Barton recommends Emetics – Dr.
Copman has used them in the same
cases with advantage – not being
conversant with that disease except in
the City, I can recommend them
only on the authority of my predecessors.
In chronic Rheumatism, small doses
to nauseate are often useful – Dr. Barton
recommends Emetics, in gout, especially
retrocedent Gout, which in his own case
he found useful/serviceable/ – I warned

Dr. Dorsey has seen a case where by the violent action of vomiting ruptured ~~Retinal~~ blood vessels in the retina & produced a great blackness of the eye. In chronic opthalmia this may be tried.

+ The croup very excellent. Has tried.

Cyanache Tonsilaris sometimes requires very great doses of emetic tartar, Dr. Chapman has given 1½ grs to a very young child.

Emetics are not proper in cases of opthalmia

+ 1 gr of tartar emetic to 3 OZ of syrup of violets is the common dose

not however as a general rule employ them - In diseases of the eyes (Ophthalmia) emetics are sometimes serviceable in chronic Ophthalmia, but they are not to supercede the use of better remedies of general & local bleeding, purging, blisters, leeches &c -

Lecture 13th

In various affections of the throat Emetics are useful, more especially, in cynanche tonsillaris, prescribe an emetic after Supuration has taken place in order to burst the abscess - this is an awkward & unjustifiable practice - If you use the lancet, introduce it with linen wrapt round it, leaving about

half an inch of the point-bone, & then introduce it into the swelled tonsil - If there is pus it will be discharged, & if there is none the operation will do no harm, but good - if called upon to say what medicine is most valuable in Cynanche tracheals I should place Emetics first on the list - When called to a case of croup, always take your lancet & tartar emetic. I give the latter in large doses - Dr. Chapman gave 15 grs: to a child at a single dose, It should be employed in divided doses, by which sometimes the use of this class of remedies - In all diseases commence

with active remedies in their early stages, & this rule is particularly applicable to croup - the disease soon extends to the Bronchia, & requires copious venesections, purges of calomel, & blisters, & some prescribe Emetics to evacuate the membrane, which is found in the trachea. their is no use of this, if respiration is impeded it is from other causes, as the membrane never closes the aperture - How far emetics may be of service, in relieving spasm I do not pretend to say, but I am sure that when suffocation occurs, it arises from the spasmodic contraction of the muscles, of the glottis & not

The sensibility of the system in cramps is locked up — & you may increase the dose of emetics until they produce the effects that are wanted — .

Emetics are sometimes diaphoretics

from the membrane – I once com=
menced the operation of trachea in a
Child who appeard to be at the alo mortis
from suffocation, & in 5 minutes
breathing was restored, through the
glottis without difficulty. In this case
the loss of blood was trifling compard
with the previous evacuations, so that
I impute to fear, some part of the effect=
This is a disease in children, which
has been treated in too timed a man=
ner – whenever practices are more
bold, the disease will perhaps be less
fatal –

A balanch cannot be cured by
nauseating doses

Lecture 14th "

In fevers of the southern States, Emetics are of no benefit, generally preceded by venesection & cathartics - In Mania emetics are to be given in large doses - they are requisite they have been lately been introduced into Medicine by Dr Klapp - In Mania a Potu, he gives 10 grs: tartar emetic; & states that even the pulse is weak & the patient debilitated, that the patients strength is increased by the use of emetics - when emetics are indicated use them - but I have generally employed powerful Stimuli - where the symptoms are Subsultus, tendinum, black tongue,

weak pulse &c. An edio pathic tetanus, nauseating doses of emetics are useful - but Symptomatic requires free use of stimulants especially opium - In the latter disease I never know evacuations beneficial - On the other hand bleeding or purging have always been attended with an aggravation of the disease - In reducing luxated bones, or hernia - Emetics are of great use, particularly when bloodletting is contrarily indicated - This practice originated with Dr. Physic 16 years ago & has recently been forwarded as an original improvement, by the Surgeons of London - Foreign bodies

are frequently lodged in the Œsophagus, which we are unable to dislodge by the probing — In two cases when peach stones were swallowed in this manner, they were displaced by ordering the patient to hold in his mouth a solution of tartar emetic — In these cases they produced nausea & relaxation of the Œsophagus & excited vomiting, although we have no reason to suppose, that any portion of the emetic, reached the Stomach — Billiary & Calculi, are frequently dislodged in the same manner, for which reason — Emetics have been prescribed in Jaundice, In many

affections of the head emetics are very important - sick head ache is generally relieved by an emetic - Dr. Bartons favourite remedy in these cases was 15 grs: of Ipecacuanha. then is a severe chronic pain in the head, which arises from external injury, but which does not affect the brain - Dr. Physick has studied this disease for a long time, in order to ascertain the best mode of treating it; when in London I made inquiries of the first Surgeons in the place concerning it, all of them had seen the affection, but could recommend no cure - Dr. Physick has found no remedy so useful as doses of emetic repeated daily for a few days, & after that

once in 48 hours – Puerperal Fever in this disease, the uterus is in a high state of inflamation, & consequently attended with great danger – Emetics may sometimes be useful, but that they have any specific operation on the peritoneum or uterus I do not believe – Black vomiting sometimes occurs occurs similar to that, which was one of the most dangerous symptoms of the yellow fever – the diseases have much the same resemblance, & in a case of puerperal fever with Dr. James, I pursue exactly the same treatment, which yellow fever requires, and with success, viz: V. S. purge,

Blisters, &c — the pain in the use of emetics in this disease, observe the same rules, which I laid down in speaking of bilious fever, & especially if nausea & pain in the back accom, an emetic will be useful — Hemorrhages — in Hemoptisis, & uterine hemorrhages, small doses of tartar emetic is useful — In bloody urine Hematuria Ipecac: and Opium are of great service Dr. Barton considers Ipecacuanha a specific in this disease, as it did not even nauseate, it has usually been considered as an astringent power, the Opium is an important part of this prescription — In Hernia Humoralis

Emetics are sometimes serviceable, but they ought always to be combined with bloodletting - Emetics have been sometimes employ'd to discuss Buboes. I generally employ blisters, which have a great effect of absorbing pus - In Dropsy, emetics are recommended as useful, to promote absorption, but there is less reason to believe them effectual in this, than in the preceeding disease - nauseating doses are to be prefered - vomiting is serviceable in dropsy depending upon obstructions of the liver, or other viscera, and in Anasarca from intermittents or miasmata, used

in combination with Mercury — In the reputed efficacy of emetics in Hydrocele I have no confidence, — but in acute inflammation of the parts I believe that an impression on the alimentary canal will be more effectual — Mr Rhanisden has lately published a work, to prove that this disease arises from stictures in the urethra, I have seen some cases of this kind, & Dr Physick has always noticed the same in his Lectures, but they are comparitively rare — In Idiopathic Hydrocele I employ no Medicine unless there is inflamation, but immediately resort to the radical cure by injection — In Dysentery Emetics

have been used with success - If emetics have cured those diseases, I believe it to have been in those cases which I consider as febrile Introversa, we are to pursue the same course of treatment as in other febrile affections; In one case I took 10 ℔s of blood, the first day & this aided by purges & blisters saved my patient - In treating this disease, I entirely lose sight of the bowels considering their affection secondary to the febrile action, which must be cured. If nausea & pain in the back attend this disease, Emetics are indicated - In Diarrhoea, when the digestive powers, are impaired, producing

what is generally denominated foul Stomach, Emetics are indicated, In Diarhoea from Catarrhal affections, small doses of emitics are useful, by producing Diaphoresis, I always direct my patient to wear flannel next his skin — In Dyspepsia small doses of Emetics are frequently use=ful — In weak stomachs of sedantary habits, marked by the usual symp=toms of dispepsia Fothergill recommen=ded the repeated use of emetics — in this disease exercise is the proper remedy. I have told you never to prescribe emetics, except in disease —
In Rickets it is often necessary to —

prescribe emetics, in the commencement, but they should be followed up by the cold bath, tonics &c. Surgeons are often called to restore distorted limbs from rickets, which is done (rather to be done) by purging, emetics, Cold bath, Iron &c – In flava albus & Chlorosis emetics are recommended ——

Tic Doloureaux usually occurs in old people – I have seen it from 47 to 75 years of age – It is a painful attack upon some part of the face, sudden & excruciating, usually lasting ½ a minute & returning in the course of an hour – The pain is usually beneath the eye, or, Malar or tem=

temporal bones, patients describe the pain different, some comparing it, as to the pricking of needles, others again different - Eating, Talking gentle touch of the bed cloaths or of an handkercief bring it on, while strong pressure produces no effect. If the patient has any teeth, they are generaly more sensible, but it frequently occurs seperately, from any affection of the teeth - It is diffent from Rhumatism or ague in the face which is sometimes connected with the teeth, and often occurs as an intermittent - Tooth ache & ague occur in the early part of life

Tic Doloureux in advanced age, it is a local severe pain, unattended by inflamation & never ends in suppuration — Dr. Fothergill describes it well, but his theory is false — He attributes it to a cancerous quality of the fluids — but the affection is totally unlike cancer. within a few years many remedies have been employed with various success such as cicuta &c — Of late this the actual cautery was resorted to — The most cruel operation that I ever witnessed was that of this disease — while in Paris I saw combustibles applied to the cheek — & set on fire, so that the patients cheek

was literally broiled. — Dr. Hay & the London Surgeons have divided the intercostal nerve by which they often suspend the disease, but, which in a short time reunes — Dr. Abernethy cut out 1/2 an inch of the nerve to prevent it union, Dr. Physick having performed this operation, but without success, & knowing that the common remedies are ineffectual, resorted to the use of emetics — He was led to this, by knowing the sympathy between the Stomach & the other parts, & that other painful affections are frequently relieved by powerful impressions on the Stomach, several cases have

occured which we treated with com-
plete success - & if the remedy is as
effectual in your hands as it has
been in ours, we shall have the
satisfaction of removing one of the
too long lists of opprobia Medicorum -

Lecture 15th

At our last lecture I spoke to you of
the efficacy of emetics in several chronic
pains of the head, by succeeding injuries
on that part - I also called to your attention
to the great efficacy of these remedies
in Tic doloreux - Dr. Physick told me
that one of his patients continued
free from all pain for three years - In

eruptive diseases emetics are useful -
In Exanthemata they are serviceable
on the same principles, as in other
febrile diseases - But there are several
eruptions, depending on disease of the
stomach, as a species of urticaria
from eating fish - in which case
emetics properly administered are
the best remedy - The mode of exhibi-
ting them requires care - In poisons
give them in prompt & large doses.
In Hypochondriasis (to be useful)
they must be repeated daily, & that
for a long time - They are not to
be given in the advanced stage
of pregnancy & for obvious reasons

not in hernia, as protusion will be the consequence - when there is plethora premise V. S. - as a general rule always give them in divided doses to prevent the bad effects arising from an over dose - when excessive vomiting is produced, use opium, sinapisms and blisters - drinks render the evacuations easier, but the patient is not to drink until vomitting commences - Large potations are better than small & frequent sippings, & this must be attended to - warm water & balm tea are as good as any drinks for this purpose - They are

not so special for children as for
adults, nor would they be willing
to drink during the nausea which
the emetic produces - If a violent
operation is desired or a powerful
or a powerful impression on the sys=
tem no drink is to be allow'd, suffer
the emetic in such cases to exert its
full force on the stomach -
Some have divided emetics into weak,
as warm water tickling the fauces
&c. Into common as Ipecacuhana,
& into powerful, Dr. Duncan
divides them into 4 Classes, but these
subdivisions are useless & serve only
to burden your memory - I shall

speak first of vegetable emetics, & of the these Ipecacuhana is to be placed at the head - Its generic name is Callicocca, It is a pentandrous plant - not well known until within a few years - the thick bulby part of the root is most powerful, & our druggists are careful not to purchase those roots, which have numerous fibres growing from them - It is sometimes difficult to prescribe the proper dose of an emetic, owing to the great difference in their Medicinal properties - Dr. Lewis's work, of the comparitive merits of diffent kinds

of Medicines & Drugs is valuable, &
for those of you who purchase your
own medicines, it is essential, there
are 2 kinds of Ipecacuhana in
market, the brown & ash coloured,
Practitioners, generally prefer the
later — Dr. Cullen supposes the effi=
cacy of Ipecacuhana to reside in
the cortical part of the root, but he is
mistaken, for the whole root is emetic.
The bark however has double the strength
of the ligneous fibre — Wine is an excel
lent menstruum to extract the med=
ical properties of Ipecac: which are
considered to be of a resinous nature
2 Oz: Ipecac: to 2 pints of wine —

Spirits may also be employed - Vinegar and water are sometimes used, but the best mode of administering it - is in substance - Its active properties are of a volatile nature, on which account no decoction ought to be made, (when employed) I proceed to speak of the diseases to which Spruce is peculiarly adapted - It is not to be used in cases, when violent vomiting is desired, it often affects the bowels, sometimes producing constipations, at others frequent discharges - this effect on the bowels however does not depend on the

laxitive qualities - In Dysentery it is much used & is valuable - In S. America it is considered a specific Dr. Mosely who employs it in the W. Indies, imputes its efficacy in this disease to its action on the skin - he gave from a scruple to ½ a drachm & kept his patients in bed, in order to produce diaphoresis - Dr. Mc Murry considers it as an antispasmodic in its effects, & by Dr. Chapman it is considered useful by reducing arterial action - Its good effects in dysentery are obtained by giving from 2 to 4 grains every

few hours – Dr. Barton's favourite
one, was 12 grs: of Ipecac: 2 grs: of
opium & 20 grs: of prepared chalk
divided into 8 powders – I gave one
every two hours – I have used
Ipecac: chalk & Laudanum, in
these cases with advantage. In
diarhoea it is as valuable perhaps
as in dysentery – In habitual diar-
hoea with sickness at stomach,
bitter taste, with frequent discharges,
one or two grains of Ipecac: before
retiring & an opiate at bed-time are
said to be useful – In Hemorhagy
Ipecac: is a valuable remedy
(or rather medicine) – In Uterine

hemorrhage, keep up with it a constant nausea and to obtain its full effect use it with opium - It has been observed that when vomiting is excited in that discharge it is at first increased - the following prescription is an excellent remedy in this complaint - 3 grs: Saccharum Saturni - 1 to 1/2 grs: Opium. and 18 grs of Ipecac: divided into 4 doses one every 2 or 3 hours - In fever 1/2 gr - Ipecac: & 10 grs of Nitre are much used - in intermittents Dr. Thompson found it very useful - Another practice is to give 5 grs: before the expected

accession of a paroxysm - It has
been employed in curing consump-
tion with advantage, in this dis-
ease it was much used by Dr.
Barton & Rubin 1 gr: of Ipecac:
with prepared chalk 6 times a day -
In dyspepsia 1 gr: is useful it is
given here so as not to excite nausea
In asthma it has been recommended
particularly by Dr. Akenside, it
is given in doses of from 3 to 5 grs: every
morning early, so as to produce
nausea, if it excite vomiting dim-
inish the dose - I might quote many
others in favour of this practice -
In Hydrothorax small doses relative

difficulty of breathing, Dovers pow-
der has been found useful in other
forms of dropsy. When poisons are
swallowed, 3ss Aqueous Ipecac:
will operate promptly - it is also use-
ful to increase the purgative operation
of other remedies, as Ipecac: Wine
2 pts wine to 2 ozs: Ipecac - dose, 1.
Oz: - Infusion. 1 drachm to 4 Oz: of
water given in 4 doses - The pow-
der is usually the best mode of giv-
ing it - The next article is
Spirea Trifoliata - this plant
is nearly allied to Ipecac: in
its medicinal properties, A descrip-
tion by Dr. Barton, The flowers large

than those which grow in Connecticut, leaves similar, Its medicinal properties reside in the roots, & the bark is the most efficacious as in Ipecac: It is best cultivated by transplanting the roots, the seeds however will answer "it should be sown in the fall" - this was a favourite remedy of Dr. Bartons but I am not conscious that it is in any respect superior to it, (Ipecacuhana) those who live at a distance from the sea coast may find it a convenient substitute - but I consider it the duty of those, who can obtain Ipecac: to use it - the large doses of these remedies of 40 grs: form a material objection to its use

and I am unwilling to burden the Materia Medica with unnecessary Valuable (rather substituted) - Should this remedy be found in some cases to be superior to Opium: it will give it a more respectful notice -

Lecture 16th

Nicotiana Tabacum possesses emetic properties in a high degree, It has been recommended by my predecessor, where poisons have been swallowed, but I think the system will be much reduced, as in the exhibition of digitalis, but in the form of a cataplasm applied to

to the stomach — Scilla Maritima — (sea onion) Squills from Spain & Portugal & Sicily — that which is found in large irregular masses, black pieces contains much extraneous matter, & should not be used, that which is in plump masses, clammy matter & mucous is the kind used — In hydrothorax it often fails from its being mixed with extraneous matter 4 grs: in a dry state are more active than 20 in a recent state — used in Hydrothorax, Cough, Asthma, pulmonary diseases &c: Squills are seldom given to vomit, but to nauseate — 4 to 6 grs: as an emetic 1/2 a grain

to 2 in substance, with nitre & I prefer it—

Mineral Emetics — Antimony (crude)
is a combination of Sulphur & Antimony,
a portion of pure antimony may combine
with an acid & form a salt — Tartar
emetic (tartrized antimony) take
3 pts: supertartrate of potash ——— 4
parts, water 32 grains when boiled
a triple salt is formed — 5 grains in
5 table spoonfuls of water is given
a tablespoon full until vomiting
is produced — I have known 44
grains given at once, without exciting
vomiting — the dose for a child from
2 weeks to 2 months old, dissolve 2
grains in 16 teaspoonfuls warm water

give an 1/8 of a grain when cold – for one year 1/4 grain ie. dissolve 2 grs: in ℥ 3: water, & give a table spoonful every 10 minutes, I had occasion to give as much as 15 grs: to a lady –

Antimonial Wine – is made of glass of antimony dissolved in wine but this is laid aside – dissolve 40 grs: of the Tartrized Antimony in 2 oz: of water & 6 oz: of wine. I prefer the watery solution –

Lecture 17th

Tartris Antimonii (tartar emetic) In fever I would not prescribe it, before V.S. it ought nearly in every case be preceded by venesection – It

effects in febrile cases has been supposed to arise from its exciting nausea – Dr. Rhees places it under the division of diaphoretics – It may be employed as a diaphoretic, diuretic, or expectorant; according to the method of administering it – In Hemorrhages it is beneficial, when it depends upon febrile symptoms – in common febrile cases I prefer Ipecac. in small pox, it is useful when the eruption is tardy – It prepares the system for the small pox – when I commenced practice, we generally combined it with nitre, with the idea of its preparing the system for its infection –

In Eruptive Diseases it is generally employed - In certain eruptive diseases where the eruption depends upon the vitiated state of the Stomach, as, Urticaria, where the diet is fish, which causes it - in peculiar constitutions an eruption in this case is highly beneficial (T. emetic) In Urticaria the eruptions are pale at first but soon changes to a red hue -

In Leprosy and Venereal it is a useless remedy in my opinion - Mercury in my hands succeeds the best - a solution of T. emetic applied externally to the parts is occasionaly found serviceable -

In Dysentery. Tartar Emetic has long been used, but it is very doubtful. In its efficacy it is unanswerable. I agree with Dr Chapman in preferring Ipecac.

In Luxations - Tartar emetic is but its primary effect in these cases is owing to its causing a relaxation of the muscles - It is also a very good article in removing foreign substances from the Oesophagus & trachea, that are lodged there - as I have mentioned before, in these cases, spasm is superadded to the obstruction -

In Poisons. tartar emetic is of immense importance, though I prefer a combination of tartar

emetic & sulphat of Zinc – In Constipa-
tion it may be occasionaly requisite,
by causing relaxation – In these cases
drastic purges must be resorted to –
In Consumption, an external appli-
cation to the breast, made of common
cerate plaster & sprinkled with tartar emetic.
the virtues of this emplastrum is by the
irritation excited by the tartar emetic –
In chronic pain, of the breast, this
plaster is found to be excellent – I now
come to the next article. Sulphas Zinci
It is regarded as a powerful emetic,
a dose is from 10 to 15 grs: It is peculiarly
adapted, where poisons have been
taken – In these cases the dose must –

be large as ℥ss to ℥i - I gave to a person who took 4 ounces of laudanum ℥ss: & in this case by inoculating the fauces with a feather emesis was produced, and the patient after vomiting three times recovered - So far as I have seen I cannot agree with Dr Cullen that a large dose will prove noxious. a tablespoonful bruised mustard will promote the action of Sulphas Zinci. I have not employed it extensively, but I prefer it to Ipecac: & tartar emetic - In Pertussis, it is found to be beneficial -

In Cynanche Tracheale (croup) I prefer it to Tr. emetic or Ipecac: -

In Dysentery: when febrile symptoms are apparent, use V. S. & afterwards Sulp Zinc: astringents may be used if necessary — Pulmonary Complaints of its use in this disease I have no experience I. emetic & Spasm: I think deserve a preeminence — Moseley's Solution is ℥ij Sulphas Zinci —

Lecture 18th

On Emetics - Copper - Of the preparations of Copper I shall mention only one, The sulphat, or blue vitriol is a prompt & powerful emetic, Dr Hartshorn of this City, says it when opium has been swallowed, I consider it as the best remedy in those cases. He has given a scruple at a time. The average dose is from 2 to 3 grs but I have known ½ a gr: to produce a violent vomiting, Dr. Simmons recommends it in pulmonary consumption & by him it was employed in doses from 2 to 20 grs: in water, Dr. Lentin also recommends it as an excellent remedy in phthisis. He gave it with tartar emetic in Pneumonia usually the latter - Sulphat of Copper &

I have used from 7 to 10 grs: each & he says that he restored to health more persons laboring under hectic fever with this, than with any other remedy - Cullen considers the blue vitriol as an harsh & unmanageable Emetic, I have not found it either harsh or unmanageable but a very uncertain emetic, sometimes in minute doses exciting vomiting at other times large doses are requisite, It occasions less relaxation than the antimonial emetics on which account it may be useful in the feeble state of pulmonary consumption, but on that account also it will not be so useful in remedying febrile action - In

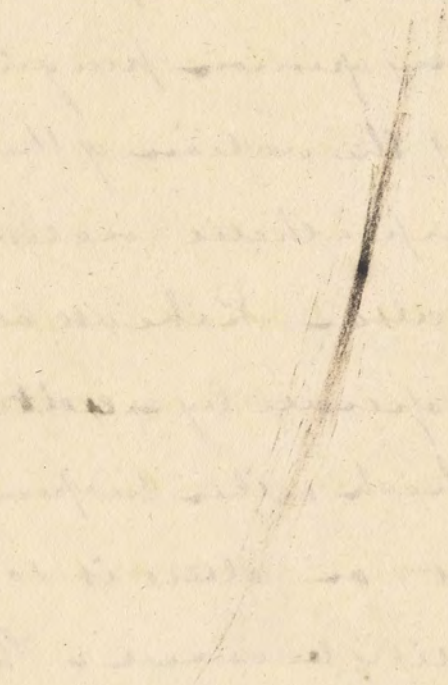
croup it- is used in the Southern States & in colica pictonum it was employ'd, untill Mosely introduced the use of Sulphas Cupri — Dig vomit is composed of equal parts of tartar emetic & Sulphas of Copper — Mercurial Emetics. Calomel frequently proves Emetic but turbeth mineral, is the only article used to produce this effect — It is a sub, sulphate of Mercury of a yellow colour & not very soluble which will distinguish it from the natural Sulphat — The dose 3 to 6 grs: & it sometimes salivates — Cullens observations on the mercurial emetics are correct — We have better emetics & we have better Sialagogues & therefore when we wish to excite vomiting I prefer Ipecac:

& J. emetic & for a ptyalism use calomel - Blue pill or the ointment. To have presented you with a longer list of emetics, would have given me no trouble - but it is already long enough - Indeed if it had been reduced to two articles - Antimony & Ipecac: the Materia Medica, would not have suffered any material loss - I think that he who expunges from the number of remedies one useless article, does almost as much good, as he who adds to the too long catalogue of medicines - Our next class is, Cathartics, they have been variously divided & classed by different writers, but they are of minor importance, Cullen

divides them into laxatives & purgatives and this division is as good as any - But it is remarked, that most purgatives may be so given as to prove laxative & large doses of the latter may act as purgatives, Some of the drastics however are too irritating to be given in this way, with Magnesia we cannot produce drastic purging - A powerful cathartic first stimulates the stomach, which is evacuated into the duodenum, or by vomiting - It is correct to say that it operates on the whole alimentary canal, the gallbladder & liver being excited into action, the secretion from the mucous glands and the peristaltic motion of the intestines is

greatly augmented — Gripes arise from an inordinate degree of action, which are intended to rid the system of the irritating cause — By purging the action of the blood vessels is much reduced and as this is one of the most powerful evacuants we have, Dr. Cullen thinks they do not take off the phlogistic diathesis of the system — I cannot say why he should think so for we certainly possess no remedy so powerful except B. L. in reducing tension & activity of the blood vessels — On the absorbents, purgatives exert as powerful action, as is proved by their producing a rapid removal of morbid collections of pus or serum —

Their effect is probably sympathetic for blood-letting so as to produce an equal evacuation, does not produce the same effect — In my opinion purging acts both by reducing the action of the blood vessels & by a sympathetic action on the absorbents also — Like all other remedies cathartics operate by exciting a new action, which either suspends morbid excitement, or alters it so that it may readily be cured — Thus in diseases of the head, they are useful independent of the evacuation they produce — In Mania they are frequently followed by sleep, when opium has been given in vain — It has been observed that



intense thought, renders the system less liable to be affected by their action — Thus Newton & Bonaparte while engaged in intense study, were not affected by the use of purges — Cullen says an afflux of fluids to the bowels, produces a revulsion from the head, & hence — their use in Apoplexy — The only explanation I can give is the incompatibility of two actions of equal force at the same time —

Lecture 19th —

I yesterday commenced with another class of Cathartics — I told you that some Physicians give them with a view to promote absorbtion &c: and I told a

you also, that they act upon the gall bladder, absorbents, pancreas, Spleen &c - & that - I consider them next to L. inefficacy D^r. Physick has a patient - who when he was in a healthy state, had daily two stools, now if he has a stool before 4 days he becomes much affected - Haller relates a case (several cases) in which persons had no evacuations from their intestines, some not in 6. 7. 9. 11. 13. 20. 25. 30 to 45 days in one 3 months elapsed without a stool, several in which 2. 3 to 6 years have elapsed without a stool - D^r. Bailie relates a case of a shoemaker, who had 2 or 3 evacuations when in health - became costive frequently, belchings, his pulse high as 78 to 86 - all

† And that form an artificial anus however disagreeable this might be, it would be preferable to letting the patient die without an attempt to relieve him

the remedies failed which were resorted to, blisters and suppositories were used without effect. A stricture of the sigmoid flexure was found upon dissection, the rectum was was found empty, (below the stricture) during his last days he could take nothing but toast water & a little wine, his stomach was not diseased, The feculent matter was immoveable. In such a case I would make a puncture above the stricture to evacuate the faeces. In Hernia, this is done ten times in a mortified state without any bad effects to the patient — Irregularity of the intestines produce

many diseases - as head ache - This dis=
ease is much relieved by Cathartics, Symp=
toms, when of irregularity - Nausea, vertigo
or costiveness
diminution of sight - Dr. Physick had
a patient, in which vision was
entirely lost, when in a state of con=
stipation - Women are of a more
costive habit - than men, depends
upon a debilitated peristaltic motion,
In Melancholia, There is a torpid
action of the intestines, In this disease
large doses are necessary - In all
Comatose affections as in Mania,
phrenitis &c: Large doses must be
given - Dr. Cheyne supposes the tor=
pid action of the intestines in some

diseases to be owing to a torpid state of the glands, Laxatives, as Rhubarb, Magnesia, Sulphur, ought in every case to precede the drastic Cathartics but when abused they become nearly inert. When the Liver is affected and the bile is in a vitiated state, Calomel is the Cathartic which ought to be used. Salivation is occasionally used in Constipation. In cholics they are indespensible. Use an injection of 1 gill of Starch, or mucilage of Gum Arabic & a tea spoonful of Laudanum or gutts 100 this injection is found to be highly beneficial in Colics. Colica Pictonum. costiveness always attends & sometimes precedes it. Dr. Clynes

favourite remedy is Castor Oil & Rhubarb -
I cannot say much of cathartics in
this disease, as I have had only 10 or 12
cases in my practice, & in those I em=
ploy'd them with advantage - In febrile
affections they are given, when any vitiated
substance is in the stomach, as bile,
& are in such cases highly important -
generally laxatives are proposed - To Dr=
Geo: Fordyce's work on the use of purgatives
in fevers, I refer you - In this County practition=
ers employ them in all cases of fevers -
Cathartics are one of the most impor=
tant remedies in fever - In Intermit=
tent they are indicated, the bark may
be given after emetics & cathartics are em=
ploy'd -

* In these diseases the Stomach is generally inflamed, & I think is the cause of these diseases —

In Yellow Fever and bilious fever there is generally an inflamation of the Stomach similar to Gastritis.* In the mild Remittent fevers, are often the only remedies necessary. In continued fevers if such exist, are useful. In Typhus Dr. Hamilton thinks them the best remedies adapted to the symptoms, I caution you against the abuse of this class of medicines, in this as in all other diseases, always attend to the State of the System.

The symptoms of typhus are,

I refer you Dr. Hamiltons work on purgatives.

Lecture 20th "

At my last lecture I told you a few words from Local inflamation — In Intermittent fever — Cathartics are proper remedies before the bark is administered. In Typhus, the late Professor Barton recommended cathartics in this disease, universally — I believe they are highly useful when indicated, in this as in all other diseases attend to the State of the system — Physicians dreaded at the idea of giving cathartics in this disease were led by an idea of their debilitating the system, they supposed ~~the supposed~~ the disease arose from debility — which I cannot believe, that cathartics

+ In all the Phlegmatic –

will increase debility if properly used — In Eruptive diseases purging is an important remedy in these cases — Small Pox — generally used at the commencement — In Erysipilas the professor of Surgery will tell you that cathartics are highly useful — In Scarletina cathartics when indicated are important. Mate writer recommends V. S. In this city cathartics have been universally used when the inflammatory diathesis is apparent use V. S. When the patient is costive use Cathartics — they generally require large doses — An Adamatous State of the bowels which sometimes occurs, in these cases they are highly useful —

In Measles, they have long been recognised as useful = Gentle laxatives are proper for in the pulmonary system - bloody stools sometimes comes on, cathartics put an immediate stop to it - In Chronic Eruptions. all of them are benefited by cathartics - In Opthalmia, they are of great service, V. S. cathartics & the antiphlogistic diet, are the remedies used - Leeches are of great service in this disease - In Morbus Coxarius - are highly beneficial, sometimes inflamation runs on to suppuration - Dr Physick uses them daily & has generally succeeded in putting a stop to this disease, with cream of tartar & jalap - the hints to

† Instead of what might be supposed from a continual emaciation we should anticipate emaciation —

Dr Cullen thinks there is no such thing as a cure for the Gout — Dr D. Hamond speaks of it being cured by purgatives &c —
Dr Chapman thinks the seat of this disease is in the stomach — The practice of Dr Mott of opening a large vein in this disease —
The saline purgatives are the ones least used in this disease

be at rest; patients thus treated are known to become corpulent + In Rheumatism, beneficial - In Chronic Rheumatism, when inflamation appears B. S. aught to precede the use of Cathartics - Gout by the first physicians was supposed to be a modification of Rheumatism, The causes are quite different, they are different diseases in my opinion, This disease was supposed to be incurable, no disease is incurable - In this disease purging has been much laid aside + but has again commenced practice In regular Gout - There is inflamation + principally confine to the joints cathartics are in such cases, highly beneficial - the pain is sometimes translated to different

† b. & is far safer than cathartics — In Retroversion-Gout-, occasionally the feet become swollen. in such cases cathartics become necessary —

† It acts as a purge — but it ought not to be given as a purge as it is uncertain —

Lect

ve stomach, bowels & head, generally called
precedent of gout - In such cases cathar=
tics sometimes may be omitted & V. S. resorted to.
Cathartics have been known to increase
& bring it on when the patient was
apparently free from this disease - We
have no specific for any disease except
Mercury in Syphilis which is the only
one - L'Eau Medicinale has been sold
as a specific - Its composition is unknown
is generally supposed to be highly benificial -
Variety of Specifics have been sold by
Empirics for this disease - In regular
Gout - it relieves the Symptoms when given in the
evening the patient is much relieved
by it - in the morning - Sir Joseph

Banks was much relieved by it. This
medicine has caused many terrible
effects when given in an over dose.
It kills immediately. An Irishman who
swallowed an over dose was nearly killed
by it. if no aid had been present
death would have been inevitable.
Colchicum Autumnale, is an
important medicine. This plant de-
serves your attention gentlemen.
Mr. Want proclaimed to the world
a specific for the Gout / colchicum
Autumnale / or Meadow Saffron /
Hexandria Trigynia Monopetala,
bulbous root. England, 4 ozs Colchicum
1 oz: of Sherry or Lisbon wine, dose 3ij.

*The efficacy of

He states that in 40 cases he has found this remedy effectual. I am not aware that Mr. Wants experiments have been repeated. I can say nothing of the medicinal virtues of the plant from my own experience. Nothing can be more contrary or contradictory than the statements of physicians respecting this medicine, some representing it active, others inert. Mr. Murray of Gottingen says it is a powerful in its effects on an animal who eats it. There can be no doubt of its being an active remedy. & as Mr. Wants experience proves it is a powerful Medicine in gout, it affords ample

room for future investigation & for a thesis — The Doctor exhibited an engraving of the plant —

Lecture 21st

Cathartics in all cases of local inflammation as hepatitis & Splenitis are valuable — Practitioners have made an exception to the use of purgatives, when the inflamation is seated in the throat & chest — I question the propriety of this distinction I suspect that the debilitating effects of a diarrhea at the close of a phthisis has led to its adoption — But I would as soon purge any of those affections as evening

the early stage of consumption as in any other inflamatory disease here it is not for the preference which is habitually given to V. S. ; in these cases it will be found a valuable auxiliary to the depletion by the lancet. In what Cullen has denominated nervous diseases purging is a valuable remedy. In Apoplexy, active & frequently repeated cathartics are important. They act 1st by depleting the arterial system. 2dly " by producing, what is denominated a revulsion from the head, & I may add by increasing the activity of the absorbents. In those cases arising from disease of the alimentary canal

they are evidently the most useful —
Palsey, in a tating purges — Hydroce-
halus Internus, is an inflamation
of the brain terminating in effusion of serum.
It requires V. S. & purges, again & again.
All dispections which I have seen,
& they have been numerous, evince
it to be a disease of high inflamation.
Some venturers to tap a child with this
disease — through the fontandle, consider-
able serum was discharged, in a few
weeks the operation was repeated — The
symptoms were much relieved by these
successive operations, but eventually it
died & I have found the brain hollow
& like the meat of a cocoa nut —
Purges repeated day after day found a

prominent remedy – in the most successful treatment of this disease – In Maniacal Melancholica, purges are much used – In Chorea St Viti they are highly recommended by Hamilton & his descrip= tion of the disease merits your attention as it goes far to prove the propriety of purges. Sydenham cured it by b-l- & purges – Hamilton by a continued use of purges, even to the completion of the cure – He commenced he says with caution, from the idea that continued depletion would be followed by debility – but in this Country it has long been an established point that cathartics in diseases of the alimen=

bury & and are less debilitating than the
inanition which results from the disease
itself, we have always employed active
purges without fear of debility - Whoever
undertakes the cure of Chorea by purges must be
resolute and persevering in the practice
or his patients attendants will interfere
with & annul
with other articles & being disordered to the
remedy - & the Surgeon
After salutary changes take
place the regular stimulus of cathartics
will be necessary to prevent a recurrence
of the disease. Tonics may at this time
be also necessary & of them I shall speak
hereafter - Epilepsy - In this disease the
arterial & nervous systems are affected
& the bowels are also concerned in it

as has been proved satisfactorily— In the latter cases, purges alone will effect a cure, but in no other cases— Dr. Physick had a case of Apoplexy from a tumour on the thumb, which was cured by extirpating the tumour— With Dr. Rush I frankly confess I have no adequate ideas of this disease— It is right however to use those remedies, which experience has found useful, & of those especially when the alimentary Canal is diseased purging is the most important—

Head ache— Here 1st the nerves, 2dly the arterial system & 3d the alimentary Canal are implicated— In the first sort, the head-aches

act naturally, fever frequently pro-
duces the second & acidity of the sto-
mach or constipation of the bowels,
produce the third variety of head ache.
This affection differs, as to the seat of the
pain, being sometimes on the forehead
Occiput, over the orbits, & over the whole
cranium, as to the kind of pain
being sometimes dull & stupifying,
sometimes lacerating, groaning, &
sometimes the sensation of seperating
the sutures. Patients say their head
will split. The pain is intermittent
or continual, & the head is often
sore to the touch. In chronic nervous-
ous, head ache, the extremities are

I use Rhubarb & Magnesia, the Latter es=
pecially in cases of acidity of the Stomach,
In obstinate cases, smart-purges repea=
ted daily are necessary — sometimes V.S.
is necessary, & in chronic cases tonics.
In my own opinion the heart & arteries
are affected in all diseases called Nervous.
Hysterics. In this disease the heart &
arteries, the Stomach & bowels are all
affected. Dr. Rush considered it as
misplaced gout, which he compared
in males to the cloth of their dress, & in
females to the muslin they wear —
Whether the diseases are similar or
not, the practice recommended in
Gout, is equally beneficial in this disease

Hysteria. This disease occurs in males, & in females when uterus is unaffected & frequently as a symptom of other diseases, in Yellow Fever it was common. I never knew that disease terminate fatally when hysteric symptoms ensued. The treatment, during paroxysm is V.S. & purging at least these are my remedies. Sydenham & Cullen think them of little consequence, but Hamilton very properly considers this disease as connected with the alimentary canal. He considers febrile & bowel remedies subsidiary. I wish you to remember that I never recommend one remedy to the exclusion of others. It would be

(see page 200)
and bowels, and many symptoms
of dispepsia —

like attacking an army with Infantary when we have artillery & cavalery at hand, In Hysteria tonics may be as ~~ap~~ropriate at the close as cathartics in the early stages—

Lecture 22d

In my last I mentioned to you that Dr. Hamilton strongly recommended cathartics in Hysteria, I told you tonics to be sometimes useful, at the close of the disease, riding on horseback &c: In Hysteria, cold bath & the free use of Sinapisms are highly useful—

In Tetanus, from wounds, cannot be any useful, but stimulating medicines as Opium &c: must be used—

cold, the eyes are intolerant of light, vertigo, & frequently nausea are symptoms. I have been particular in mentioning these varieties, because authors have not bestowed on this subject that attention which it requires. By far the most frequent cause is indigestion, It is also occasioned by too little sleep - by obstruction of the catamenia & by blows on the head. The first object is to remove the remote, emetics & vomiting & purging are important remedies - It is necessary to prevent the bowels from constipation, by ordering your patient to breakfast & Sup on Rice Gruel & Milk instead of Coffee & tea - Laxatives are generally necessary

seeds – Generally a table spoonful or
half an ounce in weight, is the dose
which taken once a day – keeps the belly
regular, that is, produces one natu=
=ral stool every day, & for this purpose
the dose must either be increased or
taken twice a day – In the seeds passes
entire into the stools, & its operation
in the urinary passages is commonly
evident by its promoting the secretion
of urine – Dr. Barton recommended
it as a cathartic – having some
stimulant properties – In Palsy it
may be given as it is in rheumatism – he
also recommends it in Gout – It has one
advantage – i.e. not leaving the
intestines in a torpid state –

in acids they are useful, such cathartics
which increase evacuation of watery
from the intestines, were called hydragogues.
These are the best. They promote the se-
cretion of the absorbents, & empty the blood-
vessels. are the best as Cream tartar.
Sulphat of Magnesia &c. Derangement
of the Stomach producing many dis-
eases, as I have before mentioned. In
females many diseases are produced
by a derangement of the primæ vi-
æ Chlorosis. retention of the menses
Symptoms. Heaviness, listlessness to
motion & fatigue. on the least ex-
ercise palpitations of the heart, pain
in the back & loins, & hips, flatulency

& acidity in the stomach & Cathartics
are the proper remedies - In Chronic H-
bits I have told you that the bowels
are always in a torpid state -
the long continued use of purges will
remove it - The patient should always
be informed of his case - There is a
slow remittent fever of children
where there is great emaciation,
swell'd belly & costiveness & other
symptoms of indigestion, often
mistaken for worms - Dr. Hamilton
called it Marasmus - purges every 48 hours,
pure air & articles of easy digestion -
In acute diseases they are given as a
part of the antiphlogistic plan to
reduce action

and in chronic diseases they are given as an alterative — In constipation they are useful — In Protracted Inflamations of the knee joint — In chronic inflamation of the eyes — Cathartics continued for months are highly useful — In many chronic cases — Costiveness takes place very frequently in old age, mild purges are to be given — Rye Mush — roasted apples for diet — I shall divide cathartics into Vegetable & Mineral

Of Vegetable Cathartics

Mustard —

There are two species, the Sinapis alba, and Nigra Sinapis Alba — To obtain its cathartic virtues, use the unbruised

Manna — this substance though afforded by several vegetables, is usually obtained from different species of the Ash tree, particularly, those from Fraxinus Ornus & Frax: Rotundifolia, which are cultivated in Sicily & Calabria — It is produced by spontaneous exudation, but more copiously by incisions made in the bark of the trunk — The juice which exudes, soon becomes concreted. When it exudes slowly the Manna is more dry & white, & of a texture somewhat granulated, forming what is named flake Manna — When the exudation is more copious, the juice is of a dark=er colour, & concretes into a soft-unctous

like mass. less pure than the other - The history of manna is drawn up by Dr. Hill, he considers it a true Gum - Chesnuts discovered it to be soluble also in alcohol, which shows it to be of an resinous nature - It is soluble both in water & in alcohol - We receive several colors of this article, tho their medicinal virtues are the same - When dissolved in alcohol & evaporated a chrystallizing mass forms - Cullen considered its virtues not greater than sugar - Murray considers it greater - Dose 1 to 2 Oz: - It was formerly given to pregnant women, but it produces cholicky pains, gripes &c: It is

(see page 218)

*as when metals have been tarnished, as copper, owing it is supposed that an affinity will take place between the oil & copper

generally combined with Senna, Honey-
ing as might here be classed — Tamarinds,
they are principally given in
Tamarind water —

Lecture 23d

I shall now commence with another vege-
table cathartic viz: Juglans Cinerea,
which grows in every part of the U. States —
White walnut — Butternut Walnut —
The bark of this tree especially of the
root will excite a blister — Its cathar-
tic properties resides in the inner bark —
is extracted by decoction, is prepared
in the months of June — In the U. States
it is used in intermittent fever —

It is also used in Dysentery, the dose of the extract is 10 to 30 grains – This extract is often very carelessly prepared by the vulgar It ought to be prepared by the apothecaries – Podophyllum Peltatum. May apple Mandrake – this plant is very common throughout N. America – The fruit is excelent & by many thought delicious – the leaves are poisonous – I am told it has bin known & gives more than Jalap – it has been employed in all cases where Jalap has been employed – & by some, placed on a footing with Jalap – it is used in Intermittent & remittent fever & often in Dropsy – Dr. Barton says the root possesses some

narcotic property. The root is the part of the plant used as a cathartic. The dose is 20 grs. It is most advantageously used in combination with calomel or cryptals of tartar. The root also often operates as an anthelmintic & as such it is used by the Cherokee & other southern Indians. The best time for gathering the May apple, for medicinal purposes is in the autumn, when the leaves have turned yellow & are about falling off.

Ricinus communis, Palma Christi.

This plant grows in both Indies, Africa & the South of Europe. It also grows luxuriantly in the southern States of America

where it is now becoming an article of export. It is of speedy growth, and in one year arives at its height, which seldom exceeds twenty feet — The seeds of the capsules of this plant are farinaceous with a considerable quantity of unctuous matter intermixed — They afford by expression or decoction an oil which is used in this country under the name of Castor Oil — When obtained by decoction of the bruised seeds in water, it is purer & less acrimonious than when obtained by expression. It is one of the most ancient cathartics, it is one of the safest & mildest — it has been said to injure the tone of the stomach

4 22 18

bowels less than any other cathartic. It is particularly suited to cases of costiveness & even to cases of spasmodic cholic & in various other affections of the bowels — In the West Indies it is found to be one of the most certain remedies in the dry belly ache or colica pictonum. I have never found it heating or irritating to the rectum, & therefore have found sufficiently well suited to hemorrhoidal persons. It good when any forcing substance has been swallowed. but it is better to use more in common cases — Dose ℈i for an adult, for a child of 3 months old a teaspoonful, for 5 months ℈ss —

Wine or brandy is the vehicle in which it is occasionally taken, but I prefer Coffee It is also taken floating on peppermint water - It ought not in inflamatory cases be given in wine or brandy, as it would be like adding fuel to fire - Use coffee as a vehicle, it destroys the taste of it, Some use it in combination with other articles of the cinnamon form Tinct. Cinnamon Tinct. Gum arabic aa Essential oil gutt 6 the above mixture - a little Laudanum may be added Especially in cases of dysentery, though it is much better to give it in coffee, some say that ricin oil purges less & gripes more than recent, this is incorrect

* Melted butter, is useful in bowel com-
plaints. Oil of butter is useful in cholera-
it often relieves gripings —

†. 2 Species are sold in our shops, the
Alexandrian & Indies. The first is pre-
ferred as there are not so much of
the stems mixed with it —

I have given it in a remedial state & never have seen their effects — Olea Olivarium has been recommended by Dr. Chapman as a substitute of Castor oil, this is incorrect, there is a material difference between these two articles — There are certain bowel complaints in children in which I have found it highly beneficial, it is also used in Clysters, its proportions are similar to barley water *—

Cassia Senna — Senna — It grows principally in upper Egypt, from whence the leaves are brought, dried, & picked from the stalks, sent to Alexandria in Egypt & thence imported into Europe, Dr. Hill describes 3 kinds he supposes

the Alexandrian senna the best + the leaf is the part of the plant in which the medicinal virtues reside – Water & alcohol alike extract its properties, it was first used by the Physicians of Arabia, it is frequently combined with Manna with tamarinds or with super tartrate of potash, and as its taste can be covered by sugar or manna it is a purgative very frequently given to children, It is usually given in the form of a watery infusion, 2 drachms being infused in 4 or 6 ounces of boiled water, generally with the addition of a few coriander seeds to cover the flavour, & abviate

griping: it has succeeded in some cases of hernia, where other Cathartics failed -

Lecture 24th

Copia Marelandica, hoppe spiritus similar to the senna, & may be substituted for it - Rhubarb. Rheum Palmatum. Besides the Rheum Palatum two other species, the Rheum Undulatum & Rheum Contractum, are cultivated with the view of obtaining their roots, to be used in Medicine, nor is any considerable difference it is said, to be observed between the root obtained from any of them, when it is properly dried and preserved. The best

Rhubarb is that named Russian or Turkey; it is in small pieces with a large hole in the middle, of a lively yellow colour with white streaks ~~white~~, has a smell peculiar & somewhat aromatic & a bitter slightly styptic taste — Another kind is imported from the E. Indies, or rather from China, in larger masses, more compact & hard, heavier, less friable than the other and having less of an aromatic flavour. It yields part of its powers to water by infusion, alcohol likewise dissolves a considerable portion of it, & diluted alcohol appears to be its most proper solvent, dissolving

dissolving all its active matter, it is a gummi resin. It appears to contain a portion of tannin, as it gives a deep colour to the salts of Iron — some degree of stipticity is always evident in this Medicine, & has this quality acts when the purgative has ceased, to in cases of diarrhœa, when any evacuation is proper. Rhubarb has been employed, & is the most proper means to be employed. The chinese Rhubarb is supposed to possess more astringent quality than the Turkey. Dr. Hill & Lewis have given a good history of this plant. The qualities of this root are that of a gentle purgative, & so gentle, that it

it is often inconvenient by reason of the bulk of the dose required, which in adults must be from half a drachm to a drachm - When given in a large dose it will occasion some griping, as other purgatives do - but it is hardly ever heating to the system, or shows the other effects of the more drastic purgatives, It seem to have no debilitating effects on the bowels, it always leaves the intestines in a vigorous action - Rhubarb is for the most part too bulky to be used in the form of pills, Dr. Barton supposed it to be possessed of diuretic properties from the idea that it colored the Urine - The

† Is made by heating rhubarb in a spoon and then cooled – In Diarrhoea I use it –

Dose of Rhubarb as a cathartic is one
scruple or half a drachm - it was the
favourite cathartic of Dr. Barton, he used
it in combination with calomel in
proportion of 15 grs: of Rhubarb with
4 or 5 grs of Calomel - It is frequently
used in the form of an infusion Rhu=
barb ℥ ij boiled in water with a
few fennel seeds, is a very good reme=
dy in cholicky complaints of children
from acidity of the stomach, dose a
table spoonful - The tea of Rhubarb
possess a more astringent, but
less cathartic property -
Rhubarb applied to wounds & indolent
ulcers, acts as a stimulant -

In habitual costiveness, is very much
used — It keeps the belly regular, for which
it is frequently employed, is by no
means proper as the astringent quali=
ty is ready to undo what the purgative
had done, but I have found that the
purpose mentioned may be obtained,
if the rhubarb is chew'd in the mouth,
& no more is swallowed than what
the saliva has dissolved — in that case
it appears that the astringent quality
is not largely extracted, & therefore
the cathartic will operate as required.
I must remark, that in this way
employ'd, it is very useful to
dyspeptic persons — I prefer the use of

Rhubarb with senna very good in Gout

The magnesia relieves chalickly pains of infants very effectually. Give the Diet-drink. Lime water and mucilage of gum arabic, one mild cases of Dysentery without any other remedy —

the use of pills made with Rhubarb & Ginger
to Dyspeptic patients, it acts as a stimulant -
In Dysentary - it is much employed par-
ticularly in combination with Calomel
In Gout it is an important article -
In Fevers, it is a very valuable article
it is generally combined with calo-
mel - I have seen good effects from
this combination in this disease -
In diseases of Children I use the
Rhubarb in the following manner -

℞ Rhubarb 3ß
Magnesia ℈
~~Vitriolic~~ Mint. gutt 6 or any other suitable oil
Aquæ ℔ j

have it well agitated before you
use it - I prefer the Spiced Rhubarb

which is in common use — I have used it very often, & have reason to be much pleased with it — —

Jalap / Convolvulus Julappa / Is a perennial Species of Convolvulus, It is an inhabitant of Mexico & Vera cruz: It is brought to us in thin transverse slices, which are covered with a black wrinkled bark & are of a dark grey colour internally, marked with with a darkish or blueish stripes. / Jalap contains a resinous & gummy matter, its purgative quality appearing to reside in the former as it is extracted by alcohol while its watery infusion is apparently inert

Anticholic powders

℞ / Jalap — 1 ℈
Rhubarb — 1 ℈
resin of Jalap — ½ ℈
m.

℞ / Jalap — ℨi
Cream tartar ℨi

m. given daily — in the first disease, a teaspoonful for a dose until it operates —

Proof Spirit is its proper menstruum - The resin thus seperated is an acrid inflaming matter, which thrown into the stomach, proves a drastic purgative, but is rendered milder by being divided by a tritus with any hard powder before it be exhibited - It is certainly by its resinous part that the entire Jalap proves purgative, & in large doses proves a strong one, but as it is given in powder, the previous tritus, by dividing the resin renders the entire Jalap a milder medicine, than the resin taken seperately - Dose the medium dose is ℥ß which triturated with crystals of Tartar - will operate in lesser doses, than

when taken by itself and at the same time very moderately & without griping, if triturated with hard sugar it becomes, in moderate doses, a safe medicine for children which in this form they will readily receive as the Salab of itself has very little taste Salap may thus be rendered mild & safe, it may however, by being given in large doses, and especially by being joined with calomel, be rendered one of the most powerful purgatives, either as an hydrogogue or as an anthelmintic & if we mistake not, with more safety than any other drastic purgatives.

The best method of ascertaining the purity of Rhubarb — is to observe the fracture, the more veinous it is the more pure —

Aloe Perfoliata — It is a gum resin —

+ It is very bitter —

+ It is of a orange brown —

It is extremely useful in the hot disease in combination with Cream of tartar given daily - In bilious cases - The combination of Jalap & Calomel are highly useful - Dr Rush employ'd it with great success -

Lecture 25th

Aloes, Africa - Asia - & America - Aloes, is a concrete resinous juice - There are 3 kinds, 1st Aloe Socatorina, + 2d Aloe Barbadensis - 3d The Aletica Cabalina or Horse Aloes - They differ in their purity & likewise in their sensible qualities - The Socatorina is brought from the African Island of Socatora

Cabbadine - it is generally used
in veterinary practice

is considered as the purest, it is in small
peices of a redish brown colour, it is
very scarce, not an atom is at
present in the city. 2nda The Barbadoes
or Hepatic aloes which resembles
the liver in colour, it is of a more dark-
ish colour than the former & more bitter
3dly The horse aloes - this is extremely
nauseous & is weaker in its power,
They consist of extract & resinous mat-
ter the former being in larger quantity,
the latter obtaind by the action of alchol,
has little taste or smell - Dilutted
alcohal dissolves all the active mat-
ter of this concrete juice - Aloes passes
thro the Stomach and small Intestines

Dr. Calder does not think this is the cause of the suffering & looks upon the Nerves by Sympathy

without much irritation, and principally acts on the large intestines & especially upon the intestinum rectum, it has been supposed to have a tendency to occasion hemorrhoids, an opinion for which there does not appear much foundation - I have known instances of its safely even in hemorrhoidal persons, & I am persuaded that the hemorrhoidal affections are occasioned by a costive habit, much more frequently than by the use of Aloes - It is slower in its operation than any of the other cathartics - It probably acts by stimulating the muscular Coat of the intestines & thereby increas-

Aloes by itself is used only to ob-
viate Costiveness

ing the peristaltic motion – It re-
mains 10 or 12 hours before it operates –
It is also supposed that its stimulating
effect being extened to the uterus, it
has been regarded as a purgative to
be avoided during pregnancy & on the same hypothesis it has been
supposed to exert an emmenagogue
power – In a dose of 1 or 2 grs: it acts
as much as if a larger dose was given –
For the different preparations I refer
you to Coxe's dispensatory – when you
hear of the Elixer proprietas it is
nothing more than the Tinc: of
Aloes with Myrrh and not the
elixer of paracelsus It is made

in the following manner

℞ Myrrh ℥ ij
Aloes —— ℥ i/p
Alcohol — lbx/p Dose ℥ i/p

Gambogia, Gambage Cambogiaes/11

E. Indies — This gum resin is obtained by exudation from incisions made in the branches & trunk of the tree — It is brittle, of a lively yellow colour, and resinous fracture, has a taste bitter & acrid — Water & Alcohol partially dissolve it, and its solution in alcohol becomes turbid on the addition of water, It is much used by painters — It acts both as an emetic and Cathartic — it is one of the most drastic purges Dose 2 to 4 grs: but 1 grs may be given with safety —

† with out much manner of preparing

Gum Gamboge

Dose 5 or 6 to 8 or 10 grs.

Cullen gave it alone in drachm doses - 3 or 4 grs rubbed with Sugar every 3 or 4 hours in Dropsy - Dr. Murray, could not destroy its properties by baking it with paste &c: If it fail, it should be combined with Calomel and Jalap — In Cutaneous Eruptions, is found to be useful - In tinea Capitis, has been famous over Europe as the fittest & most effectual medicine, for expelling the tinea or tape worm - I cannot say much of its efficacy in this case — In Dropsy, it has been used without success - I have no doubt that when combined with Calomel or Cream of tartar is a really valuable remedy.

The proportion of Resin is greater
than the gum
It is not much used in Europe

Scammony (Syria, is Gum Resin

It obtained by cutting the root of the con-
volulus Scammonia & inspissating
the juice which exudes by exposure to
the sun & air — It is in small fragments
of a blackish grey colour, having a
pub-acrid
bitter, taste & little smell — The resinous
matter is in greater abundance than the
Gum — was used by the Greeks & Arabians —
but it is uncertain in its operations,
small doses will sometimes purge vio-
lently while a large dose will be
inert — It operates violently as sometimes
to cause bloody stools — And sometimes
inflamation of the bowels, griping &c:
Cullens objection to it which is a

strong one, is that it is not found pure is frequently adulterated –

Cucumis Colocynthis Fructus colloquintida

Is obtained from the Cucumis Colocynthis – The part of this plant used in medicine is the dry spongy or medullary part of the fruit – It is white, soft & porous, & has the seeds which are comparatively inert, mixed with it – If I should use it, it would be in a warming combination, with Jalap & Calomel – is one of the most drastic purges, so much so that its operation is not readily regulated, when in Combination with Calomel & Jalap, is given in Mania & coma – also in obstin

It is said to increase by applying it to the stomach

* from melambo who first used it

obstinate & antipatiums – Dose 3 to 6 grs:

Hellebous Niger = Melampodium

Black Hellebore. Rodis, & Austria, Italy=

called Melampodium from Melampo, who

used it = he cured the daughter of King Cretus,

who was affected with Mania – It is not much

employ'd – Its active power seems prin=

cipally to reside in its resinous part, it

is a drastic cathartic – In dropsy it

has been employed as a hydragogue

cathartic principally under the form

of a spiritous extract – The Tinctura

Melampodi was strongly recommen=

ded in Amaurosis by Dr. Mead as

an Emmenagogue – Hellebous Albus

while Hellebore is laid aside. Too much

distress often follows its use —

Momordica Elaterium, Wild cucumber.
Is the most violent of all the cathartics
Dose ½ gr: Dr. Fenian. revives it uses
it in dropsy spicially in Hydrothorax.

I shall now speak of Mineral Cathartics —
Calomel, Sub murias Hydrargyri, murias
Hydrargyri Oxidis, & Mercurius Dulcis.
Calomel is formed
by triturating ~~the Corrosive Sublimate with~~
3 parts of quicksilver and 4 Corrosive
Sublimate, when the quick-silver is
deadened, when no more globules appear
wash it in hot-water, the corrosive
Sublimate will be dissolved and the
calomel can be obtained as it
does not dissolve — You will learn
from the Professor of chemistry how to

* of Lancaster—

prepare it – Dose for an adult 6 to 20 grs: 10 grs: is the medium dose, Dr ~~Dr~~ Either May took 3 grs: of calomel it purged him, in 2 weeks afterwards he took 80 grs: which did not purge him more / nor produce more griping than the former dose / It is one of the safest Cathartics we can employ – It probably acts by stimulating the mucous glands of the Intestines, & increases the discharge, as the stools are liquid – Calomel administered at bed time will operate ~~xx~~ ~~in the~~ morning – In the Southern States large doses are given in bilious fevers – I prefer 10 grs: of Calomel & 20 grs of Rhubarb – as has been before

mentioned ℞ Nitre ℥i
Calomel ℈ grs:
Tart-emetic ½ gr- Forms the Anti=
monial powders - given every 2 hours until
it operates, In children no cathartic
can be disguised so well as this, may be
given in mucilage, on peice of bread,
do not give it in water as it falls
to the bottom - Dose to a child of
6 months old, is 2 grs - if it does
not operate, it must be followed by
a dessert-spoonful of Castor oil.
Of one year 5 grs:
Of 10 years - 5 to 8 grs:
In early life I prefer castor oil,
Castor oil or Magnesia I prefer in

children under one year except in
croup - 2 grs: every hour until it operates -
Dr. Thum one of the most succesful
Practitioners the Profession can produce
has given as much as 20 grs: to chil-
dren, with perfect safety in Croup -

Mary Marcus and John Thomas

Remota - predisponing - occasional
& proximate -
Remote that which produces the disease
predisponing - that which as proximate
proximate is the mortus
vertex the crown
of the scapulae

J. Shivers